

## ACCESS SERVICE

10. Federal Government Specialized Service or Arrangements10.1 General

This section covers Specialized Services or Arrangements that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security.

Services for command and control communications and for national security and emergency preparedness sometimes require short notice and short duration service provisions. These provisions are especially needed to meet presidential requirements or in response to natural, man-made, or declared emergencies. Requirements of this type cannot be forecasted and are usually needed for a relatively short period. The provision of service under these conditions may require the availability of facilities, such as portable microwave equipment, which are provided on a temporary basis by the Telephone Company, or customer.

10.2 Emergency Conditions

These services will be provided on the date requested or as soon as possible thereafter when the emergency falls into one of the following categories:

- State of crisis declared by the National Command Authorities (includes commitments made to the National Communications System in the "National Plan for Emergencies and Major Disasters");

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.2 Emergency Conditions (Cont'd)

- Efforts to protect endangered U.S. personnel or property both in the U.S. and abroad (Includes space vehicle recovery and protection efforts.);
- Communications requirements resulting from hostile action, a major disaster or a major civil disturbance;
- The director (Cabinet level) of a Federal department, Commander of a Unified/Specified Command, or head of a military department has certified that a communications requirement is so critical to the protection of life and property or to the National Defense that it must be processed immediately;
- Political unrest in foreign countries which affect the national interest; or
- Presidential service

10.3 Intervals to Provide Service

Certain services provided under the provisions of this section of the tariff are provided on an individual case basis. Therefore, orders for such service shall be placed under the Negotiated Interval provisions set forth in Section 5. preceding.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.4 Safeguarding of Service10.4.1 Facility Availability

In order to insure communications during periods of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service as set forth in 10.8.1 following.

10.4.2 Utilization of Government Owned Facilities

In order to meet requirements of agencies or branches of the Federal Government, the Telephone Company may utilize government-owned facilities, when necessary to provide service.

10.5 Federal Government Regulations

In accordance with Federal Government Regulations, all service provided to the Federal Government will be billed in arrears. However, this provision does not apply to other customers that obtain services under the provisions of this tariff to provide their services to the Federal Government.

10.6 Mileage Application

Mileage, when used for rate application in this section of the tariff, shall be determined by the V&H Coordinates Method as set forth in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 and administered as set forth in 7.4.6 preceding.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.7 Moves

When service without a maximum termination liability charge associated with it, as set forth in 10.8.1 and 31.10 following, is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.

When service with a maximum termination liability charge associated with it, as set forth in 10.8.1 and 31.10 following, is moved and is reinstalled at a new location, the customer may elect:

- to pay the unexpired portion of the maximum termination liability charge for the service, if any, with the application of a nonrecurring charge and the establishment of a new maximum termination liability charge for such service at the new location, or
- to continue service subject to the unexpired portion of the maximum termination liability charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

Move charges include the estimated costs of removal, restoration of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, and any other specific items of cost directly attributable to the move.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings

The following unique services are provided to a customer for use only by agencies or branches of the Federal Government, other authorized users and state emergency operations centers. The rates and charges for certain services shall be developed on an individual case basis and shall be consistent with the rates and charges for services offered in other sections of this tariff.

10.8.1 Type and Description(A) Voice Grade Special Access Services(1) Voice Grade Secure Communications Type 1

Approximate bandwidth of 10-50,000 Hertz. Furnished for two-point secure communications on two-wire or four-wire metallic facilities between an IC premises and an end user's premises. Services are conditioned as follows:

T-3 Conditioning - The absolute loss (referenced to 1 milliwatt) with respect to frequency shall not exceed:

15 dB at 10 Hz  
13 dB at 100 Hz  
9 dB at 1,000 Hz  
20 dB at 10,000 Hz  
30 dB at 50,000 Hz

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(A) Voice Grade Special Access Services (Cont'd)(1) Voice Grade Secure Communications Type I (Cont'd)

Additional conditioning (available in one or two directions on four-wire facilities only) to provide the following characteristics:

The absolute loss (referenced to one milliwatt) with respect to frequency shall not exceed:

0 dB at 1,000 Hz  
± 1 dB between 1,000 Hz and 40,000 Hz  
± 2 dB between 10 Hz and 50,000 Hz  
(+ means more loss)

The net loss of the conditioned service (with or without additional conditioning) shall not vary by more than four dB at 1,000 Hz from the levels specified above. Voice frequency signaling or supervisory tones can be transmitted.

(2) Voice Grade Secure Communications Type II

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between an IC premises and an end user's premises. Services are conditioned as follows:

G-1 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same as Voice Grade Secure Communications Type I services without additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(A) Voice Grade Special Access Services (Cont'd)(3) Voice Grade Secure Communications Type III

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between an IC premises switch and an end user's premises. Services are conditioned as follows:

G-2 Conditioning - The absolute loss with respect to frequency and the net loss variation from the switch to an end user's premises shall be the same as Voice Grade Secure Communications Type I services without additional conditioning; from an end user's premises to the switch shall be the same as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

(4) Voice Grade Secure Communications Type IV

Approximate bandwidth 10-50,000 Hz. Furnished on four-wire metallic facilities for duplex operation for two-point secure communications between two IC premises switches. Services are conditioned as follows:

G-3 Conditioning - The absolute loss with respect to frequency and the net loss variation shall be the same in both directions of transmission as Voice Grade Secure Communications Type I services with additional conditioning. Voice frequency signaling or supervisory tones can be transmitted.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(B) Wideband Digital Special Access Service

Service arrangements for secured communications to accommodate the transmission of binary digital baseband signals in a random polar format.

(1) Wideband Secure Communications Type I

For transmission at the rate of 18,750 bits per second.

(2) Wideband Secure Communications Type II

For transmission at the rate of 50,000 bits per second.

(3) Wideband Secure Communications Type III

To accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of twenty microseconds at a rate of 50,000 bits per second.

To accommodate the transmission of binary digital baseband signals in a random polar format at the rate of 50,000 bits per second.

(C) Special Routing Access Service

Special Routing Access Service is furnished only to AT&T Communications (AT&T-C) for an agency or branch of the Federal Government. This service provides the customer's end users the ability to originate and terminate calls to or from the customer's premises utilizing a Special Routing Plan.

This service is an optional service which operates in conjunction with Trunk Side Premium Access Service furnished to AT&T-C under other provisions of this tariff.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(C) Special Routing Access Service

The Telephone Company will record Special Routing Access Service Active Mode Trunk Usage, and will bill the customer in accordance with these records. The hours for each trunk ordered will be summed and then rounded to the nearest hour, except that when the total is less than one hour, one hour will be used to determine the charge.

(D) Telecommunications Service Priority (TSP) System

- (1) Some of the elements required for the TSP System are included in other sections of this tariff as general service offerings. They have been repeated in this section to reflect the complete TSP System with appropriate references to those other sections of the tariff for regulations, rates and charges.

- (2) The customer for TSP System Service also must be the same customer for the Access Service with which it is associated.

The TSP System applicability is limited to Access Services which the Telephone Company can discreetly identify for priority installation or priority restoration.

- (3) The TSP System is a service, developed to meet the requirements of the Federal Government, as provided in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCS) H 3-1-2 dated July 9, 1990, and "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual" (NCS) M 3-1-1. The TSP System provides the regulatory, administrative and operational framework for the priority installation and/or restoration of National Security Emergency Preparedness telecommunications services. These include both Switched and Special Access Services. The TSP System applies only to NSEP telecommunications services, and requires and authorizes priority action by the Telephone Company providing such services.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(D) Telecommunications Service Priority (TSP) System (Cont'd)

- (4) Under certain conditions it may be necessary to preempt one or more customer services with a lower or no restoration priority in order to install or restore NSEP telecommunications services(s) of a higher priority. If such preemption is necessary, and if circumstances permit, the Telephone Company will make reasonable effort to notify the preempted service customer of the action to be taken. Credit allowance for such service preemption shall be made in accordance with the provisions set forth in Section 2.8.1.1 preceding concerning Temporary Surrender of a Service.
- (5) The customer, in obtaining TSP System service, acknowledges and consents to the provision of certain customer service record information by the Telephone Company to the Federal Government, as specified in the Service Vendor Handbook, in order for the Government to maintain and administer its overall TSP System. This customer service record information will include only customer name, TSP Authorization Code, Telephone Company Circuit/Service ID, customer telephone number and customer mailing address.
- (6) When Priority Restoration Maintenance and Administration, as defined in the Service Vendor Handbook, is discontinued (Revocation of Assigned Restoration Priority), and the associated Access Service is continued in service, no charge, as set forth in 31.10 following applies for such a discontinuance.
- (7) Credit allowance for service interruption for Priority Restoration Maintenance and Administration shall be the same as for the Access Service with which it is associated as set forth in Section 2.8.1.1 preceding.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(D) Telecommunications Service Priority (TSP) System (Cont'd)

- (8) Certain activities performed by the Telephone Company in association with the TSP System as specified in the Service Vendor Handbook are as follows:
- Priority Installation Invocation includes System Development, Verification, Confirmation and Preemption.
  - Priority Restoration Level Implementation includes System Development, Verification and Configuration.
  - Priority Restoration Level Change includes Verification and Confirmation.
  - Priority Restoration Maintenance and Administration includes Reconciliation and Preemption.
- (9) The customer, in obtaining a Priority Restoration, recognizes that quoting charges and obtaining permission to proceed with the installation or restoration of certain Access Services will cause unnecessary delays and, as a result, would be contrary to the aforementioned Rules and Regulations. In subscribing to Priority Restoration service the customer recognizes this condition and grants the Telephone Company the right to quote charges after the restoration has been completed.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(E) Government Emergency Telecommunications(1) Government Emergency Telecommunications-Alternate Carrier Routing Service (GETS-ACR)

GETS-ACR is an emergency telecommunications service offered by the United States Government Office of the Manager, National Communications System (OMNCS). Access to GETS-ACR is accomplished through the use of the 710 non-geographical Numbering Plan Area (NPA) code activated in end offices and tandem switching office systems, and by an Interexchange Carrier (IC) designated by the OMNCS as a GETS-ACR designated IC. GETS-ACR Access is available in the entire Telephone Company service area. The GETS-ACR 710 non-geographical NPA code will be opened in all areas serviced by the Telephone Company.

GETS-ACR allows the GETS universal access number 710-NCS-GETS or 1 plus the GETS access number, to be treated uniquely within the public network. GETS-ACR routes the call alternately to three pre-selected Interexchange Carriers (ICs), identified by their Carrier Identification Codes (CICs). Calls are routed based on a predetermined sequence:

- Primary IC
- Alternate IC
- Second Alternate IC

GETS-ACR facilities are designed to be used only for emergency government telecommunications and for testing of government emergency systems and may not be used by unauthorized end users. The Telephone Company will work cooperatively with the customer to provide service at the customer's request where facilities are available. In cases where facilities are not available, the Telephone Company will provide service to the customer as soon as reasonably possible.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(E) Government Emergency Telecommunications (Cont'd)(2) GETS-ACR Calling Party Number (CPN) Feature

Calling Party Number (CPN) modifies the call detail information from the originating calling party number to the universal GETS access number 710-NCS-GETS. It is the universal GETS access number, not the actual calling party number that is passed to the Interexchange Carriers (ICs). The capability to activate and deactivate this feature will be provided. The Telephone Company will deploy CPN where technically available.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(E) Government Emergency Telecommunications (Cont'd)(3) GETS High Probability of Completion/Enhanced Alternate Carrier Routing

Government Emergency Telecommunications Service High Probability of Completion/Enhanced Alternate Carrier Routing (GETS HPC/EACR) is an emergency telecommunications service offered by the United States Government Office of the Manager, National Communications System (OMNCS). Access to GETS HPC/EACR provides a greater likelihood that callers using this special arrangement will complete their calls during periods when the Telephone Company network is congested. GETS calls will be marked with a special "high probability of completion" (HPC) designation, which elevates the class of a call above its normal level.

GETS HPC/EACR is available in all end offices and tandem switches in the Telephone Company service area where technically feasible.

GETS HPC/EACR facilities are designed to be used for emergency Federal Government telecommunications only and may not be used by unauthorized end users.

(4) GETS Expanded Enhanced Alternate Carrier Routing (GETS Expanded EACR)

GETS Expanded EACR provides end offices with the ability to perform EACR on any 10 digit number with the 710 NPA code (710-XXX-XXXX). GETS Expanded EACR is available in end offices in the Telephone Company service area where technically feasible.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(E) Government Emergency Telecommunications (Cont'd)(5) GETS Expanded High Probability of Completion (GETS Expanded HPC) and Office Wide Call/Egress Queuing

GETS Expanded HPC enables suitably equipped offices to recognize any 10 digit number with the 710 NPA code (710-xxx-xxxx) and apply the HPC feature.

Office Wide Call/Egress Queuing (OWCQ/OWEQ) provides a greater likelihood that GETS callers will complete their HPC calls during periods when the Telephone Company network is congested. When all trunks in a public trunk group are busy, Office Wide Call Queuing enables a call to be placed in queue on any member of the trunk group to wait its turn to be passed on through the network to the called destination. When all trunks in a private trunk group (PBX system) are busy, Office Wide Egress Queuing enables a call to be placed in queue until the next trunk is available.

GETS Expanded HPC and OWCQ/OWEQ is available in all end office and tandem switches in the Telephone Company service area where technically feasible.

(F) Reserved for Future Use(G) Reserved for Future Use(H) FAA Telecommunications Infrastructure(1) General

The FAA Telecommunications Infrastructure (FTI) is a uniquely rated and designed program providing certain Special Access services for the Federal Aviation Administration (FAA), with Harris Corporation as agent for the FAA. FTI provides Voice Grade Service, DigiRoute<sup>SM</sup> Digital Service II, High Capacity Services (DS1 and DS3), and IntelliBeam Broadband Transport (IBT).

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(H) FAA Telecommunications Infrastructure (Cont'd)(2) Terms and Conditions

- (a) FTI is provided pursuant to a five-year contract and may be renewed up to ten times in one-year increments. The service will continue until terminated for up to a 15-year period.
- (b) Except as otherwise stated in this section, the services provided are the same as those services described in Sections 7 and 26 of this tariff. The services are subject to the general regulations of this tariff unless otherwise stated.
- (c) FTI is available from every wire center in all operating territories under this tariff, subject to the availability of suitable facilities.
- (d) FTI allows connectivity to other Telephone Company services and to any other Interexchange Carrier point of presence (POP) through Expanded Interconnection as described in Section 28 following.
- (e) The rates and charges for FTI are specified in 31.10.8 following and apply in lieu of the rates, charges and term plans specified in Sections 30 and 31 for the specific service involved.
- (f) Service connections will utilize the following Network Channel Interface codes.

<u>Service</u>	<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
VG4 4 Wire	LE--	04NO2	04NO2
VG4 4 Wire (Derived from DS1)	LE--	04DS9.15 04DS9.1S 04DU9 04QB9.11	04NO2
VG6 4 Wire	LG--	04NO2 04DA2	04NO2 04DA2

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(H) FAA Telecommunications Infrastructure (Cont'd)(2) Terms and Conditions (Cont'd)(f) Service connections will utilize the following Network Channel Interface codes  
(Cont'd)

<u>Service</u>	<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
VG6 4 Wire (Derived from DS1)	LG--	04DS9.15 04DS9.1S 04DU9 04QB9.11	04NO2 04DA2
VG7 4	LH--	04NO2	04NO2
VG7 4 (Derived from DS1)	LH--	04DS9.15 04DS9.1S 04DU9 04QB9.11	04NO2
VG9 4 Wire	LK--	04NO2	04NO2
VG9 4 Wire (Derived from DS1)	LK--	04DS9.15 04DS9.1S 04DU9 04QB9.11	04NO2
VG10 4 Wire	LN--	04NO2 04NO3 06DA2	04NO2 04NO3 06DA2
VG10 4 Wire (Derived from DS1)	LN--	04DS9.15 04DS9.1S 04DU9 04QB9.11	04NO2 04NO3 06DA2

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(H) FAA Telecommunications Infrastructure (Cont'd)(2) Terms and Conditions (Cont'd)

- (f) Service connections will utilize the following Network Channel Interface Codes
- 
- (Cont'd)

<u>Service</u>	<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
DDS 64 Kbps	XDA-, XDAB	04DU5.64 04DS9.15 04DS9.1S 04DU9 04QB9.11	04DU5.64
DS1 no CFA (non-Collocated)	HC--, HCE-, HC-M, HCEM	04DS9.15 04DS9.1S 04DU9	04DS9.15 04DS9.1S 04DU9 04QB9.11 04DS6.44 04QB6.33
DS1 riding CA/PR (Collocated)	HC--, HCE-, HC-M, HCEM	04QB9.11	04DS9.15 04DS9.1S 04DU9 04QB9.11 04DS6.44 04QB6.33
DS1 from DS3 (Collocated)	HC--, HCE-, HC-M, HCEM	04QB6.33	04DS9.15 04DS9.1S 04DU9 04QB9.11 04DS6.44 04QB6.33
DS1 from DS3 (non-Collocated)	HC--, HCE-, HC-M, HCEM	04DS6.44	04DS9.15 04DS9.1S 04DU9 04QB9.11 04DS6.44 04QB6.33

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(H) FAA Telecommunications Infrastructure (Cont'd)(2) Terms and Conditions (Cont'd)

- (f) Service connections will utilize the following Network Channel Interface Codes
- 
- (Cont'd)

<u>Service</u>	<u>NC</u>	<u>NCI</u>	<u>SECNCI</u>
DS3/Electrical (non-Collocated)	HF--, HFC-, HF-M, HCEM	04DS6.44 04QB6.33	04DS6.44 04QB6.33
DS3 (Collocated)	HF--, HFC-, HF-M, HFZM	04QB6.33	04DS6.44 04QB6.33
IBT OC3	OB--, OBT-	02SOF.* 02QBF.LL 04SOF.* 04QBF.LL	02SOF.* 02QBF.LL 04SOF.* 04QBF.LL
IBT OC3c	OB-R, OBTR	02SOF.* 02QBF.LL 04SOF.* 04QBF.LL	02SOF.* 02QBF.LL 04SOF.* 04QBF.LL

\* B, D, F or X

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(I) Federal Markets High Capacity Services(1) General

Provision of uniquely rated High Capacity Services that are provided to a customer for use only by agencies and branches of the Federal Government and other users authorized by the Federal Government. Federal Markets High Capacity Services are available in all end offices in the Telephone Company service area, subject to the availability of suitable facilities.

A High Capacity channel is a channel for the digital transmission of 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub at 1.544 and 44.736 Mbps transmission.

## (a) DS1 High Capacity/1.544 Mbps Service

DS1 service (a 1.544 Mbps facility) is provided with an electrical interface.

## (b) DS3 High Capacity/44.736 Mbps Services

DS3 service is available in standard channel termination configurations and is provided with an electrical interface.

## (c) Central Office Multiplexing

(i) DS3 to DS1 Multiplexing

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

(ii) DS1 to DS0 Multiplexing

DS1 to Voice – An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services.

DS1 to DS0 BSE - An arrangement that converts a 1.544 Mbps channel to 24 64.0 kbps channels utilizing digital time division multiplexing.

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10. Federal Government Specialized Service or Arrangements (Cont'd)10.8 Service Offerings (Cont'd)10.8.1 Type and Description (Cont'd)(I) Federal Markets High Capacity Services (Cont'd)(2) Terms and Conditions

- (a) Except as otherwise stated in this section, the services provided are the same as those services described in Section 7 preceding of this tariff.
- (b) Except as otherwise noted, the regulations stated herein are in addition to other applicable regulations contained in other sections of this tariff for the underlying services, including credit allowances, and when applicable, rearrangement charges.
- (c) The minimum service period for Federal Markets High Capacity Services is one month.
- (d) Technical specifications for DS1 service are delineated in ANSI T1.403-1999 for the carrier interface Network Interface (NI). Technical specifications for DS3 service are delineated in ANSI T1.404-2002.
- (e) The monthly rates and installation nonrecurring charges for Federal Markets High Capacity Services are specified in 31.10.9 following and apply in lieu of the monthly rates and installation nonrecurring charges specified in Section 31.7 for the specific service involved.
- (f) Federal Markets High Capacity Services are not eligible for additional discounts or to enroll/subscribe in any term, volume or discount plan under any other sections of this tariff.

10.8.2 Rates and Charges

Rates and charges for Federal Government Specialized Service or Arrangements are found in Section 31.10 following.

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11. Special Facilities Routing of Access Services11.1 Description of Special Facilities Routing of Access Services

The services provided under this tariff are provided over such routes and facilities as the Telephone Company may elect. Special Facilities Routing is involved when, in order to comply with requirements specified by the customer, the Telephone Company provides Switched Access Service, Special Access Service, Federal Government Specialized Service or Arrangements in a manner which includes one or more of the following conditions:

11.1.1 Diversity

Two or more services must be provided over not more than two different physical routes.

11.1.2 Avoidance

A service must be provided on a route which avoids specified geographical locations.

11.1.3 Cable-Only Facilities

Certain Voice Grade services are provided on Cable-Only Facilities to meet the particular needs of a customer.

Service is provided subject to the availability of Cable-Only facilities.

In the event of service failure, restoration will be made through the use of any available facilities as selected by the Telephone Company.

Avoidance and Diversity are available on Switched Access Service as set forth in Section 6. preceding; Metallic, Telegraph Grade, Voice Grade Wideband Analog, Digital Data, DDS II, High Capacity and WATS Access Line Special Access Services as set forth in Section 7. preceding and Federal Government Specialized Service or Arrangements as set forth in 10.8 preceding. Cable-Only Facilities are available for Switched Access Service as set forth in Section 6. preceding; Voice Grade Special Access Service as set forth in 7.2.3 preceding and Federal Government Specialized Service or Arrangements as set forth in 10.8 preceding.

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## ACCESS SERVICE

11. Special Facilities Routing of Access Services (Cont'd)11.1 Description of Special Facilities Routing of Access Services (Cont'd)

In order to avoid the compromise of special routing information, the Telephone Company will provide the required routing information for each specially routed service to only the ordering customer. If requested by the customer, this information will be provided when service is installed and prior to any subsequent changes in routing.

The offering of Special Facilities Routing of Access Services contemplates the use of existing facilities. Should facilities not be available, it may be necessary to construct such facilities either as (1) normal or (2) Special Construction. If Special Construction is involved, the regulations, as set forth in the Interstate Special Construction Tariff defined in Section 1.4 apply. However, the applicable rates and charges shall be filed in this section of this tariff, not the Special Construction tariff.

In either case of (1) or (2) preceding, the rates and charges for administration and any other specific items of cost directly attributable to the provision of this service shall be filed in this section also.

The rates and charges for Special Facilities Routing of Access Services as set forth in 31.11 following are in addition to all other rates and charges that may be applicable for services provided under other sections of this tariff.

11.2 Rates and Charges for Special Facilities Routing of Access Service

The rates and charges for Special Facilities Routing of Access Service are as follows.

11.2.1 Diversity

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an individual case basis and filed with USOC SYD++ in Section 31.11 following.

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ACCESS SERVICE

11. Special Facilities Routing of Access Services (Cont'd)

11.2 Rates and Charges for Facilities Routing of Access Services (Cont'd)

11.2.2 Avoidance

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis and filed with USOC SYA++ in Section 31.11 following.

11.2.3 Diversity and Avoidance Combined

For each service provided in accordance with 11.1.1 and 11.1.2 preceding, combined, the rates and charges will be developed on an individual case basis and filed with USOC SYB++ in Section 31.11 following.

11.2.4 Cable-Only Facilities

For each service provided in accordance with 11.1.3 preceding, the rates and charges will be developed on an individual case basis and filed with USOC SYS++ in Section 31.11 following.

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## ACCESS SERVICE

12. Specialized Service Or Arrangements12.1 General

Specialized Service or Arrangements may be provided by the Telephone Company, at the request of a customer, on an individual case basis if such service or arrangements meet the following criteria.

- 12.1.1 The requested service or arrangements are not offered under other sections of this tariff.
- 12.1.2 The facilities utilized to provide the requested service or arrangements are of a type normally used by the Telephone Company in furnishing its other services.
- 12.1.3 The requested service or arrangements are provided within a LATA.
- 12.1.4 The requested service or arrangements are compatible with other Telephone Company services, facilities, and its engineering and maintenance practices.
- 12.1.5 This offering is subject to the availability of the necessary Telephone Company personnel and capital resources.

12.2 Move Charges

- 12.2.1 When service without a maximum termination liability charge associated with it is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.

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## ACCESS SERVICE

12. Specialized Service Or Arrangements (Cont'd)12.2 Move Charges (Cont'd)

12.2.2 When service with a maximum termination liability charge associated with it is moved and is reinstalled at a new location, the customer may elect:

- To pay the unexpired portion of the maximum termination liability charge for the service, if any, with the application of a nonrecurring charge and the establishment of a new maximum termination liability charge for such service at the new location, or
- To continue service subject to the unexpired portion of the maximum termination liability charge, if any, and pay the estimated costs of moving such service, provided that the customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.

Move charges include the estimated costs of removal, restoration of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, and any other specific items of cost directly attributable to the move.

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## ACCESS SERVICE

12. Specialized Service Or Arrangements (Cont'd)12.3 Rates and Charges

Through the dates as specified following, certain ICB Case customers may either convert their service(s) to general tariff rates, or continue their service(s) under ICB contract, whereupon general tariff rates will apply. In either case, neither minimum service period charges nor termination liability charges will apply. Should the customer request a Service Discount Plan, as set forth in 7.4.10 preceding, for some or all services converted to general tariff rates, the period of time the service(s) existed under the ICB contract may be applied to the appropriate Service Discount Plan.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services

In this section normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 7:00 a.m. to 4:00 p.m.) for the application of rates based on working hours.

13.1 Additional Engineering

Additional Engineering will be provided by the Telephone Company at the request of the customer only when:

- A customer requests additional technical information after the Telephone Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in 6.1.5 and 7.1.6 preceding.
- Additional engineering time is incurred by the Telephone Company to engineer a customer's request for a customized service as set forth in 7.2 preceding.

The Telephone Company will notify the customer that additional engineering charges, as set forth in 31.13 following will apply before any additional engineering is undertaken.

13.1.1 Charges For Additional Engineering

The charges for Additional Engineering are as found in Section 31.13 following.

13.2 Additional Labor

Additional labor is that labor requested by the customer on a given service and agreed to by the Telephone Company as set forth in 13.2.1 through 13.2.5 following. The Telephone Company will notify the customer that additional labor charges as set forth in 31.13 following will apply before any additional labor is undertaken.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.2 Additional Labor (Cont'd)

For part-time Video and Advanced Video Services, additional labor may also include that labor, requested by one or more customers and agreed upon by the Telephone Company, for a Telephone Company technician to oversee the operation of part-time Video or Advanced Video Service during a specific event. The Telephone Company will notify the customer(s) that additional labor set forth in 13.2.3 following for Stand By Labor will apply. The charge for Stand By Labor will apply per customer. When a single Telephone Company technician oversees the operation of part-time Video or Advanced Video Service(s) for more than one customer, the total charge to perform Stand By Labor will be divided equally between the customers involved.

When the customer has authorized additional labor in order for the Telephone Company to satisfy its request for an earlier service date as set forth in Section 5.2.1 preceding, the charges for additional labor shall not exceed twenty five percent of the total nonrecurring charge associated with the Access Order.

13.2.1 Overtime Installation

Overtime installation is that Telephone Company installation effort outside of normally scheduled working hours.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.2 Additional Labor (Cont'd)13.2.2 Overtime Repair

Overtime repair is that Telephone Company maintenance effort performed outside of normally scheduled working hours.

13.2.3 Stand By

Stand By includes all time in excess of one-half (1/2) hour during which Telephone Company personnel stand by to make cooperative tests with a customer to verify facility repair on a given service. For Part Time Video and Advanced Video Services, Stand By Labor also includes requests by the customer for a Telephone Company technician to oversee the operation of part-time Video Service during a specific event. For part-time Video Service, the request for Stand By Labor may involve one or more customers for a single event. The charge for Stand By Labor to each customer shall be as specified in 13.2 preceding.

13.2.4 Testing and Maintenance with Other Telephone Companies

Additional testing, maintenance or repair of facilities which connect to facilities of other telephone companies is such activity in addition to normal effort required to test, maintain or repair facilities provided solely by the Telephone Company.

13.2.5 Other Labor

Other labor is that additional labor not included in 13.2.1 through 13.2.4 preceding, including, but not limited to labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this tariff.

13.2.6 Charges for Additional Labor

The charges for Additional Labor are as set forth Section 31.13 following.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services13.3.1 Maintenance of Service

- (A) When a customer reports a trouble to the Telephone Company for clearance and no trouble is found in the Telephone Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge for the period of time from when Telephone Company personnel are dispatched to the customer's premises to when the work is completed. Failure of Telephone Company personnel to find trouble in Telephone Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.
- (B) The customer shall be responsible for payment of a Maintenance of Service charge when the Telephone Company dispatches personnel to the customer's premises, and the trouble is in equipment or communications systems provided by other than the Telephone Company or in detariffed CPE provided by the Telephone Company.

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service charge applies.

- (C) The charges for Maintenance of Service are as found in Section 31.13 following.

13.3.2 Reserved for Future Use

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ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Presubscription

- (A) Except as set forth in (B)(10) following, presubscription is a service to customers in an end office equipped with Feature Group D or CST BSA - Option 3 whereby a customer may select and designate to the Telephone Company an IC to access, without dialing an access code, for interLATA interstate calls. When this selection is made, the IC is referred to as the customer's Primary Interexchange Carrier (PIC). Where only one IC has ordered Feature Group D or CST BSA - Option 3, the regulations in (B)(7) following are applicable.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

## (A) (Cont'd)

When an end user does not want to be presubscribed to any IC, or when an IC submits a request to remove their PIC from an end user's line, the end user will be required to dial 101XXXX or other access code (i.e., 950-XXXX) for all calls to all ICs. This line condition, designated PIC NONE, is considered a PIC change for purposes of administering the rates contained in this tariff. PIC NONE changes can only be made by the end user or by the carrier to whom the end user's line is presubscribed.

In addition, International Direct Dial Blocking Service may be subscribed to under the regulations set forth in 13.3.3(C) following. Further, 900 Pay-Per-Call Blocking Service may be subscribed to under regulations set forth in 13.3.3(E) following.

Each IC will have one or more access codes assigned to it for its various types of service. When a customer selects an IC as its PIC, only one access code of that IC may be incorporated into the switching system of the Telephone Company permitting access to that IC by the customer without dialing an access code. Should the same customer wish to use other services of the same IC it will be necessary for the customer to dial the necessary access code(s) to reach that IC's other service(s).

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Presubscription (Cont'd)

(A) (Cont'd)

At the time a customer advises the Telephone Company of its PIC, it will be necessary for the customer to specify to the Telephone Company the IC's service, if the IC has more than one service, to which the customer will presubscribe.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

- (B) Presubscription is furnished in accordance with the detailed provisions of the Federal Communications Commission's Allocation Plan as set forth in Appendix B of its Memorandum Opinion and Order in CC Docket No. 83-1145, Phase I, adopted May 31, 1985 and released June 12, 1985\*, as modified by an order in the same docket adopted August 19, 1985 and released August 20, 1985. Presubscription of public telephone is furnished in accordance with the Opinion and Order of the United States District Court for the District of Columbia, Civil Action No. 82-0192, issued October 14, 1988, the Memorandum issued December 23, 1988, the F.C.C.'s order released February 28, 1989 and the Opinion issued May 8, 1990. Allocation of public telephones is in accordance with F.C.C.'s Allocation Plan, as applicable. Principle provisions of the Allocation Plan and associated Telephone Company provisions as may be appropriate, are as follows.

(1) Customer Notification, Equal Access Balloting Process and Interexchange Carrier Customer Lists

The Telephone Company will notify customers of the availability of presubscription through the mailing of an Equal Access Ballot. The mailing of the initial ballots will occur approximately 90 days, but in no case later than 85 days, prior to the conversion of the end office serving the customers. Customers will be encouraged to return their respective ballot to the Telephone Company or the selected PIC within the time frame specified on the ballot. Only one IC may be selected for each line.

An IC obtaining service commitments from customers directly must provide an IC Customer List, in a format mutually agreed upon with the Telephone Company and accompanied by a document affirming that it does have, or has instituted steps designed to obtain, an authorization to submit a PIC order on the customer's behalf.

\* This Order, with all Appendices is available for inspection at the Federal Communications Commission, 445 12<sup>th</sup> Street, SW Washington, D.C. 20554 in the Public Reference Room of the Tariff Division and may be obtained from the Commission's commercial contractor.

## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

## (B) (Cont'd)

(1) Customer Notification, Equal Access Balloting Process and Interexchange Carrier Customer Lists (Cont'd)

The ICs are not required to submit letters, confirmation or ballots when submitting IC Customer Lists to the Telephone Company, but should maintain the letters, confirmations or ballots on file for use in dispute resolution. ICs should request written authorizations from their customers no later than the date of submission of their first bill to the customer.

All valid orders on IC Customer Lists(s), received by the Telephone Company prior to 15 days after the end office conversion, except those involved in a conflict as set forth in (3) following, will be included in the allocation process as set forth in (2) following.

Approximately 45 days after a serving end office is converted to equal access, customers who have not made a PIC selection, either through the Equal Access Ballot, direct contact with the Telephone Company or directly with an IC, will be sent a second ballot by the Telephone Company. This ballot will give the customer a second opportunity to make a PIC selection.

The second ballot will state that, if the customer fails to return the ballot by the date specified therein, the customer's line(s) will be assigned to the IC indicated on the ballot.

Residence and business customers may make the selection PIC NONE only by contacting the Telephone Company directly.

(2) Allocation Process

The Telephone Company will tabulate the initial ballots, direct input to the Telephone Company and the IC Customer Lists received and determine the percentage of customer lines that presubscribed to each IC. ICs participating in the allocation process will have nonpresubscribed customer lines assigned to them at random, based on the percentages so determined for a particular serving end office.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

(B) (Cont'd)

(2) Allocation Process (Cont'd)

Should an IC listed on the initial ballot elect not to participate in the allocation process, then non-responding customer's lines will be allocated to the remaining ICs in relative proportion to their initial results.

Separate allocation processes will be used for residence customer lines and business customer lines.

When an end user purchases a Prepaid Calling Service card and does not select a carrier participating in Prepaid Calling Service Access on the initial interLATA, interstate or international call, a participating Prepaid Calling Service Access carrier will be allocated to the end user based on the proportion of participating carriers voluntarily chosen by end users in the selection process.

(3) Customer Choice Discrepancy

When a discrepancy is determined regarding a customer's designation of a PIC, the following applies:

- (a) When a customer indicates more indicates more than one IC choice per line on a ballot, or returns an illegible ballot, the Telephone Company will contact the customer for clarification.
- (b) When two or more PIC orders are received per line via ballot return, Telephone Company contact, or IC Customer List, the order with the latest customer authorization date will take precedence. The customer authorization date is the date the customer signed the ballot, the date the customer placed the order with the Telephone Company or the date the customer authorized the IC to submit a PIC order on his/her behalf.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

(B) (Cont'd)

(4) Presubscription Charge Application

(a) After the implementation of the ongoing Equal Access Balloting Process, existing customers making their initial PIC selection, either by returning the ballot to the address specified by the Telephone Company, by direct contact with the Telephone Company, or by contacting an IC directly during the approximately 90 day period prior to the equal access conversion date or during the 255 days following the conversion date, are not subject to a presubscription charge. After the allocation translation, customers will incur a presubscription charge for any changes in PIC selection, including a change from one service to another service of the same IC.

(1) A nonrecurring charge, as set forth in Section 31.13.4(A) following, to process a change in Presubscription is bifurcated into four (4) separate nonrecurring charges and applies as follows:

- (a) A nonrecurring charge, as set forth in Section 31.13.4(A)(1)(a) following, applies when the request to change Presubscription is submitted through electronic methods without a request to change the intraLATA primary interexchange carrier (LPIC) on the same line and on the same order.
- (b) A nonrecurring charge, as set forth in Section 31.13.4(A)(1)(b) following, applies when the request to change Presubscription is submitted through manual methods without a request to change the LPIC on the same line and on the same order.
- (c) A nonrecurring charge, as set forth in Section 31.13.4(A)(2)(a) following, applies when the request to change Presubscription is submitted through electronic methods together with a request to change the LPIC on the same line and on the same order.
- (d) A nonrecurring charge, as set forth in Section 31.13.4(A)(2)(b) following, applies when the request to change Presubscription is submitted through manual methods together with a request to change the LPIC on the same line and on the same order.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

(B) (Cont'd)

(4) Presubscription Charge Application (Cont'd)

(a) (Cont'd)

(1) (Cont'd)

As used above, manual methods are (i) personal interaction between a customer, or a person acting on behalf of a customer, and a Telephone Company employee; and (ii) any facsimile or written submissions from a customer, or a person acting on behalf of a customer, to a Telephone Company service center. Electronic methods shall include all other methods. If a request utilizing an electronic method results in manual processing, the electronic nonrecurring charge shall apply upon completion of the request. For orders submitted electronically through customer account record exchange (CARE) transactions, a change to both the PIC and LPIC on the same line will be considered to be on the same order if it is submitted in a single CARE record for that line.

(2) An Unauthorized Preferred Carrier Change is a change of a customer's preferred interLATA and/or intraLATA IC that the customer denies authorizing. If the customer denies authorizing such a change in interLATA and/or intraLATA presubscription as submitted by an alleged unauthorized IC, the alleged unauthorized IC will be assessed the Change in Presubscription nonrecurring charge, as specified in 31.13.4(A) following, for:

- The disputed ILP PIC NRC previously billed to the customer, and
- A restoral ILP PIC NRC to restore the customer to its previous IC.

(3) In accordance with the Federal Communications Commission's Slamming Liability Rules in CC Docket 94-129, if an alleged unauthorized IC is ultimately exonerated for liability, the IC is entitled to receive full payment from the customer for all services provided. In such situations, any ILP PIC nonrecurring charge assessed against the IC by the Telephone Company is subject to rebilling to the customer by the alleged unauthorized IC.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

(B) (Cont'd)

(4) Presubscription Charge Application (Cont'd)

(a) (Cont'd)

- (4) If an IC discontinues its Feature Group D or CST BSA - Option 3 Switched Access Service, the IC must, in writing, notify the Telephone Company and all customers who are presubscribed to that IC that it is canceling their service and that the customers are to contact the Telephone Company to select a new PIC. Further, the IC must notify the customers that it will pay the presubscription charge, as set forth in 31.13.4 following. The Telephone Company will bill the canceling IC a charge equal to the total number of lines presubscribed to that IC multiplied by the presubscription charge set forth in 31.13.4 following.
- (5) If the Telephone Company discontinues the Features Group D or CST BSA - Option 3 Switched Access Service of an IC as set forth in 2.1.8(B), (C) or (D) preceding, the Telephone Company will notify the IC's customers, in writing, that the IC's service no longer will be available. Customers will be instructed to contact the Telephone Company to select a new PIC. The Telephone Company will bill the IC a charge equal to the total number of lines presubscribed to the IC multiplied by the presubscription charge, as set forth in 31.13.4 following.
- (6) All notices to the IC's customers will advise those customers that if a new PIC is not selected within ten (10) calendar days, their lines will be changed by the Telephone Company to the selection PIC NONE, as described in 13.3.3(A) preceding, and they will have to dial 101XXXX or another access code (i.e., 950-XXXX) for all interLATA interstate calls.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

(B) (Cont'd)

(4) Presubscription Charge Application (Cont'd)

(a) (Cont'd)

## (7) End User Presubscription Charges - PIC NONE

Presubscription Charges, as described in (B)(4)(a)(1) preceding, will apply to the end user as follows:

- (a) When an end user submits a request to the Telephone Company to remove the PIC from their line, the applicable nonrecurring charge set forth in Section 31.13.4(A) following applies to the end user.
- (b) When a carrier submits a request to the Telephone Company on behalf of the end user to remove the carrier as the end user's PIC, the carrier must inform the Telephone Company that the end user desires to have no PIC. In such cases, the applicable nonrecurring charge set forth in Section 31.13.4(A) following applies to the end user.
- (c) For (B)(4)(a)(7)(b) preceding, the Telephone Company will verify that the end user's line is currently presubscribed to the carrier submitting the request. If the end user's line is currently presubscribed to the carrier submitting the request, then the Telephone Company will remove such carrier's PIC from the line thereby changing the end user's line PIC designation to PIC NONE.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

(B) (Cont'd)

(4) Presubscription Charge Application (Cont'd)

(a) (Cont'd)

## (8) Carrier Presubscription Charges - PIC NONE

Presubscription Charges, as described in (B)(4)(a)(1) preceding, will apply to the carrier as follows:

- (a) When a carrier submits a request to the Telephone Company on its own behalf to remove its PIC from an end user's line, the applicable nonrecurring charge set forth in Section 31.13.4(A) following applies to the carrier.
- (b) For (B)(4)(a)(8)(a) preceding, the Telephone Company will verify that the end user's line is currently presubscribed to the carrier submitting the request. If the end user's line is currently presubscribed to the carrier submitting the request, then the Telephone Company will remove such carrier's PIC from the line thereby changing the end user's line PIC designation to PIC NONE.
- (9) The Telephone Company is not liable for any dispute of the change in PIC selection to PIC NONE resulting from an IC's notification to the Telephone Company. The IC shall furnish the Telephone Company with a copy of its customer notification upon request in order to resolve any customer PIC disputes.
- (10) If an IC blocks service to a customer who is presubscribed to the IC, and the customer contacts the Telephone Company with a repair report that the customer can not complete a 1+ interLATA call, the Telephone Company will 1) determine if the customer's line is blocked by the IC, and if so advise the customer that there is no problem with its telephone service; 2) direct the customer to contact the IC for further information and 3) bill an invalid Report Charge as set forth in Section 31.13 following to the IC.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

(B) (Cont'd)

(4) Presubscription Charge Application (Cont'd)

(a) (Cont'd)

Between the mailing of the initial ballot and the allocation translation, no presubscription charge will apply to changes in PIC selection.

- (b) Customers establishing new service or adding additional Telephone Exchange Service lines or trunks, Centrex or Centrex-CO lines, Feature Group A or CSL BSA Switched Access Services lines to existing service, who will be served by end offices equipped with equal access, will be asked to select a PIC at the time they place an order with the Telephone Company for service.

New end users or Payphone Service Providers who subscribe to service after the presubscription implementation date, including an existing customer who orders an additional line, will be asked to select a preferred carrier when they place an order for Telephone Company Exchange Service. If a customer cannot decide upon a carrier at the time, the customer will have 30 days following completion of the service request to make a preferred carrier choice without charge. In the interim, the customer will be assigned a PIC NONE and will have to dial an access code to make interLATA or intraLATA toll calls. The free selection period available to new end users or Payphone Service Providers is the period within 30 days of installation of the new service.

Initial free selections available to new end users or Payphone Service Providers are:

- (1) Designate a carrier as their preferred carrier thereby requiring no access code to access that carrier's service. Other carriers are accessed by dialing 101XXXX or other required codes.
- (2) Choose no carrier as a preferred carrier thus requiring 101XXXX code dialing to access all carriers. This choice can be made by directly contacting the Telephone Company. In addition, new end users or Payphone Service Providers that do not select a preferred carrier will be assigned as PIC-NONE.

Following a new end user's or Payphone Service Provider's initial free selection, any subsequent selection made following implementation of interLATA or intraLATA toll presubscription is subject to a nonrecurring charge as set forth in 31.13.4.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)

(B) (Cont'd)

(4) Presubscription Charge Application (Cont'd)

(b) (Cont'd)

Such customers who do not select a PIC at the time they place an order will, upon request, be sent a ballot to aid in their selection of a PIC. There will be no charge for this initial selection. After the customer's initial PIC selection, for any change thereafter, including a change from one service to another service of the same IC, a charge, as set forth in 31.13.4 following applies.

(c) Where a particular IC orders Feature Group D or CST BSA - Option 3 in an end office six months prior to the introduction of Presubscription in that end office, and the Telephone Company is unable to provide interoffice facilities for that IC within 30 days after Presubscription is introduced, when such facilities are subsequently made available, customers may designate that IC as the PIC without charge for a period of three months after the provision of Feature Group D or CST BSA - Option 3 to that IC.

(d) Where a particular IC orders Feature Group D or CST BSA - Option 3 in an end office six months prior to the introduction of Presubscription in that end office and Feature Group D or CST BSA - Option 3 routed via an access tandem switch is not available within 30 days after Presubscription is introduced, if that IC elects not to obtain Feature Group D or CST BSA - Option 3 in that end office until such tandem service becomes available, customers may designate that IC as the PIC. There is no charge for such designation for a period of three months after the provision of Feature Group D or CST BSA - Option 3 routed via an access tandem switch to that IC for that end office.

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(B) (Cont'd)

(5) IC Participation Requirements

In order to be considered eligible to be on an Equal Access Ballot, the IC must place a firm order for Feature Group D or CST BSA - Option 3 Switched Access Service with the Telephone Company in accordance with the ordering procedures of the Telephone Company.

(6) IC Allocation Choice

ICs choosing to be on the Equal Access Ballot must notify the Telephone Company of their intention not to participate in the allocation process no later than 15 days after the end office equal access conversion date or 15 days prior to allocation calculation.

(7) Equal Access Offices Served by One IC

When only one IC has ordered Feature Group D or CST BSA - Option 3 in an end office scheduled to be converted to equal access, Presubscription will not be offered until a second IC orders Feature Group D or CST BSA - Option 3 in that office. The date on which the second IC's service becomes Effective: will be the date that the Presubscription process will start.

(8) NXX Move

When a central office designation (NXX) or a group of lines is moved from an end office not equipped with Feature Group D or CST BSA - Option 3 to one equipped with Feature Group D or CST BSA - Option 3, affected customers will be afforded the same opportunity to make a PIC selection as that afforded to customers whose end office is converting to Feature Group D or CST BSA - Option 3.

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(B) (Cont'd)

(9) IC Consolidation of Multiple PIC Codes

- (a) IC requests for customer PIC changes in order to consolidate multiple four (4) digit PIC codes will be subject to a Change in Presubscription Charge.
- (b) The IC ordering the PIC consolidation will be billed the Change in Presubscription charge and will be responsible for the notification of all customers affected by the change. The Telephone Company will negotiate a due date for PIC consolidation with the IC.
- (c) The nonrecurring charge for a Change in Presubscription is found in 31.13.4(A) following.

(10) Reserved for future use

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)(C) International Direct Dial Blocking Service (IDDB)

- (1) International Direct Dial Blocking Service (IDDB) is an arrangement that prevents the use of certain line-side exchange services for the completion of international direct dialed calls. This arrangement recognizes and blocks, by routing such calls to a recorded announcement, any attempt to dial international direct dialed sequences of 011+ or 101XXXX 011+.

International Direct Dial Blocking Service is available for use with the following line-side exchange services.

- Centrex
- Private Branch Exchange Service (PBX)
- Public Telephone Service
- Business Exchange
- Business ISDN

In addition, IDDB will be provided with other line-side exchange services on an unbundled basis to all business customers where technically feasible and economically reasonable.

IDDB will be provided from suitably equipped serving wire centers as specified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., Tariff F.C.C. No. 4.

(2) Rate Regulations

Nonrecurring charges apply to International Direct Dial Blocking Service. No separate nonrecurring charge will apply for the installation of IDDB service when it is installed coincident with the initial installation of an exchange service. A separate nonrecurring charge will apply when IDDB service is installed at anytime subsequent to the initial installation of an exchange service.

Charges for International Direct Dial Blocking Service are set forth in 31.13 following.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)(E) 900 Pay-Per-Call Blocking Service

900 Pay-Per-Call Blocking Service is an arrangement that allows end users to prevent use of their telephone lines for the completion of calls to a customer's interstate or intrastate 900 Access Service. When an end user requests this service, it will be provided using certain blocking options which are provided under the state exchange tariffs. Based on the state in which the end user orders exchange service, the arrangement may also block other services (e.g., vendor-operated, entertainment-related teleconferencing services provided by Group Bridging Service (GBS) in the 550 exchange). The individual blocking options are offered where technically feasible as follows:

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)(E) 900 Pay-Per-Call Blocking Service (Cont'd)

<u>State</u>	<u>Blocking Option</u>	<u>Codes</u>
Maine	Selective Blocking	900, 940, 976
New Hampshire	Selective Blocking	900
Vermont	Selective Blocking	900

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.3 Presubscription (Cont'd)

(E) 900 Pay-Per-Call Blocking Service (Cont'd)

The description and regulations for the individual blocking options are specified in the appropriate state exchange tariffs.

900 Pay-Per-Call Blocking Service is available where facilities permit.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)(F) On Line Transfer Service

## (1) Service Description

On Line Transfer Service enables a participating IC to receive transferred customer calls from the Telephone Company in order to complete processing of the customer's interexchange service requirements.

Upon completion of telephone contact with an ordering customer as set forth in (A) preceding, the Telephone Company will offer to transfer the customer to the IC of its choice provided that IC subscribes to On Line Transfer Service.

If the customer accepts the offer to have the call transferred, the Telephone Company will dial the IC's toll free number, transfer the customer call to the IC and disconnect from the call after verifying the connection is established.

If the IC selected by the end user has not obtained On Line Transfer Service from the Telephone Company or if the end user chooses not to have its call transferred, the Telephone Company will offer to provide the end user with the IC's telephone number.

## (2) Obligations of the IC

In addition to the obligations of the IC set forth in Section 2. preceding, the IC has other obligations pertaining only to the provision of On Line Transfer Service. These obligations are as follows:

The IC must provide a toll free number within each of the operating territories of the Telephone Company that is exclusively dedicated by the IC for the purpose of establishing an account. The IC must establish Automatic Call Distribution on the toll free numbers and assign the highest call priority to all calls transferred by the Telephone Company. This will allow Telephone Company transferred calls to route to the first available IC representative regardless of other calls waiting in queue.

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## ACCESS SERVICE

## 13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)(F) On Line Transfer Service (Cont'd)

## (3) Rate Regulations

A monthly recurring rate will apply to each IC for every month or fraction thereof that On Line Transfer Service is provided. No charges apply to the IC customers for On Line Transfer Service. Rates and charges for On Line Transfer Service are set forth in 31.13 following.

(G) Long Distance Trouble Management Services (LDTMS)

## (1) Service Description

LDTMS enables a participating Interexchange Carrier (IC) to receive, from the Telephone Company, specific trouble ticket information. This is accomplished by having information delivered electronically to a designated directory within a server owned and maintained by the Telephone Company. Each subscribing IC will have its own dedicated directory from which it can download its customers' trouble reports. The customer reporting the trouble must have as his/her Primary Interexchange Carrier (PIC) the IC that ordered LDTMS. ILP PICs (IntraLATA Presubscription Primary Interexchange Carriers) and/or ISP PICs (Intrastate Presubscription Primary Interexchange Carriers) are ineligible for LDTMS.

LDTMS supports the delivery of trouble reports related to certain switched access, special access, toll free, ATM, Frame Relay, calling card and operator-assisted services. For certain special access services, at least one end of the circuit must originate or terminate within the Telephone Company's operating region. For certain switched access or toll free services, the customer may or may not be presubscribed to the Telephone Company for local retail services, but must have as his/her Primary Interexchange Carrier (PIC) the IC that ordered LDTMS.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)(G) Long Distance Trouble Management Services (LDTMS) (Cont'd)

## (1) Service Description (Cont'd)

If, during a telephone contact between the Telephone Company's repair personnel and an IC's customer, it is determined that a trouble resides in the IC's network, the customer is informed that the ticket will be electronically delivered to his/her IC for full resolution. At that time, the IC's customer is also informed that his/her IC will contact him/her within one hour and provide a status report on the trouble. Telephone Company personnel will answer all repair calls using the Telephone Company brand name.

LDTMS will be provided on a negotiated interval basis, which will include joint-acceptance testing. LDTMS will be offered to all states covered by this tariff. The Telephone Company reserves the right to determine geographic availability, terms and conditions of the service. If the PIC for the customer has not subscribed to LDTMS, that customer will be treated in accordance with current operating procedures.

## (2) Undertaking of the Telephone Company

Before delivering the ticket, the Telephone Company will inform the customer that he/she will be called back by his/her IC within one hour. On a subsequent call, the Telephone Company will inform the customer that he/she will be called back within thirty minutes. Also, if requested by the customer, the Telephone Company will obtain a status or provide the telephone number of the IC.

The Telephone Company will be responsible for providing the IC all the information needed to establish an LDTMS account and to access its directory within the Telephone Company server. The Telephone Company will also control the format of the information, access to the network components up to and including the server, and the information that will be available to the IC within its directory.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)(G) Long Distance Trouble Management Services (LDTMS) (Cont'd)

## (3) Obligations of the IC

Each IC is obligated to call their customer within one hour of receiving the trouble and to provide the customer with a status report. On a subsequent call, the IC is obligated to contact their customer within thirty minutes. Each IC will be solely responsible for the development of its own operation support systems that interface with the Telephone Company's server. Each IC will also be solely responsible for meeting the interface standards and requirements as set by the Telephone Company.

## (4) Rate Regulations

A monthly recurring rate will apply to each participating IC for every month or fraction thereof that LDTMS is provided. No charges will apply to an IC's customer. Rates and charges for LDTMS are set forth in sections 31.13 following.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)(H) Presubscription Change Charge Billing Options

At the option of the IC, the nonrecurring charge for a change in presubscription, as set forth in Section 31.13.4(A) following, may be billed to the IC, instead of the End User.

## (1) Direct Billing

The direct billing option is available when an IC initiates a PIC change order through the Customer Account Record Exchange (CARE) interface by either paper, magnetic tape, Network Data Mover or by on-line electronic interface using system specifications determined by the Telephone Company.

The IC can designate direct billing on any PIC change orders it chooses by specifying the PIC Change Charge Indicator in position 405. The nonrecurring charge for a change in presubscription will then be assessed to the IC, instead of the End User.

The direct billing option is not available for orders placed via the Telephone Company's Residence, Business or Equal Access Service Centers. Lines equipped with selective access blocking are not eligible for this option.

The direct billing option should not be specified on a PIC change order which is normally provided at no charge to the End User. If the IC specifies the direct billing option on a PIC change that would normally be provided at no charge to the End User and the nonrecurring charge for a change in presubscription is applied to the IC, the Telephone Company will adjust the IC's bill to remove that charge.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)(H) Presubscription Change Charge Billing Options (Cont'd)

## (2) Reverse Billing

The Reverse Billing Option is available to ICs for End User-initiated PIC change orders placed at the Telephone Company's Residence, Business or Equal Access Service Centers. The nonrecurring charge for all of the IC's end-user initiated PIC change orders placed at the Telephone Company's Residence, Business or Equal Access Service Centers will then be assessed to the IC, instead of the End User.

The IC must notify the Telephone Company in writing of its election to establish and/or cancel the Reverse Billing Option. Establishment and/or cancellation will be Effective: within ten (10) business days from the date the Telephone Company receives written notification and must be in effect for a minimum of six months.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.3 Presubscription (Cont'd)(H) Primary Interexchange Carrier (PIC) Verification Service

## (1) Service Description

PIC Verification Service enables an IC to obtain verification of their end user's PIC selection in a Telephone company switch. The IC must provide the telephone number via telephone call or on-line electronic interface. The on-line electronic interface requires a specific hardware and software configuration including an IBM compatible 386 (preferably 486) personal computer with 8 to 16 megabytes of RAM running with Windows version 3.1 or OS/2 version 2.1 software, a modem (preferably 9.6 kbps), and a dial-up or private line.

PIC Verification Service will be provided from suitably equipped wire centers as specified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC., Tariff F.C.C. No. 4.

## (2) PIC Verification Service Restrictions

The verification information:

- Shall not be resold or otherwise provided to any other person, corporation, partnership or entity.
- Shall be used only for establishing and maintaining IC service for end users who have requested service.
- Shall not be used for marketing purposes.

## (3) Rate Regulations

Nonrecurring Charges will apply for PIC Verification Service. An IC will be billed for each successful PIC verification. A separate rate will apply per telephone request or on-line electronic interface request.

Nonrecurring Charges for PIC Verification Service are set forth in Section 31.13.5(G) following.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.4 Standard Jacks - Registration Program

Standard jacks are provided by the Telephone Company to connect Registered Equipment to those services that are subject to the Registration Program as set forth in Technical Reference Publication AS No. 1. The use of jacks is covered in part 68 of the F.C.C.'s Rules and Regulations.

Specific jacks are described in the document on file with the FCC entitled "Descriptions of Standard Registration Program Connection Configurations Supplementing Configurations Described in Subpart F of Part 68 of the FCC's Rules and Regulations."

These jacks are used to terminate services provided by the Telephone Company. Other services or facilities provided by the Telephone Company or by others may also be terminated in any spare capacity of the jacks remaining after installation without additional charge for the use of such capacity.

The nonrecurring charges, which include installation, for standard jacks and their typical uses are found in 31.13 following.

13.3.5 Testing Services

Testing Services offered under this section of the tariff are optional and subject to rates and charges as set forth in 31.13 following. Other testing services provided by the Telephone Company in association with Access Services are furnished at no additional charge. These other testing services are described in 6.1.6 and 7.1.7 preceding.

Testing services are normally provided by Telephone Company personnel at Telephone Company locations. However, provisions are made in (A)(5) and (B)(1) and (2) following for a customer to request Telephone Company personnel to perform testing services at the customer's premises.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.5 Testing Services (Cont'd)

The offering of Testing Services under this section of the tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in (A), (B) and (C) following.

(A) Switched Access Service

Testing Services for Switched Access are comprised of (a) tests which are performed during the installation of a Switched Access Service, and (b) tests which are performed after acceptance of such access services by a customer, i.e., in-service tests. These in-service tests may be further divided into two broad categories of tests: scheduled and nonscheduled.

Scheduled tests are those tests performed by the Telephone Company on a regular basis, e.g., monthly, which result in the measurement of Switched Access Service. Scheduled tests may be done on an automatic basis (no Telephone Company or customer technicians involved), on a cooperative basis (Telephone Company technician(s) involved at Telephone Company office(s) and customer technician(s) involved at customer's premises), or a manual basis (Telephone Company technician(s) involved at Telephone Company office(s) and at customer's premises).

Nonscheduled tests are performed by the Telephone Company "on demand", which result in the measurement of Switched Access Services. Nonscheduled tests may involve Telephone Company technicians at Telephone Company offices and at the customer's premises.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.5 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(1) Additional Cooperative Acceptance Testing

Additional Cooperative Acceptance Testing (ACAT) of Switched Access Service involves the Telephone Company provision of a technician at its office(s) and the customer provision of a technician at its premises, with suitable test equipment to perform the required tests.

Additional Cooperative Acceptance Tests may, for example, consist of the following tests:

Impulse Noise  
Phase Jitter  
Signal to C-Notched Noise Ratio  
Intermodulation (Nonlinear) Distortion  
Frequency Shift (Offset)  
Envelope Delay Distortion  
Dial Pulse Percent Break

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.5 Testing Services (Cont'd)(A) Switched Access Service (Cont'd)(3) Cooperative Scheduled Testing

Cooperative Scheduled Testing of Switched Access Services (Feature Groups B, C, D or CST BSA - Option 1, 2 and 3 and Directory Access Service not routed through an access tandem), where the Telephone Company provides a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests, will consist of quarterly loss and C-message noise tests, and annual balance tests. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance measurements, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

The Telephone Company will provide, on a quarterly basis, a Cooperative Scheduled Testing report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

(4) Manual Scheduled Testing

Manual Scheduled Testing (MST) of Switched Access Services (Feature Groups B, D, CST BSA - Option 1 and 3, and Directory Access Service not routed through an access tandem), where the Telephone Company provides a technician at its office(s) and at the customer's premises, will consist of quarterly loss and C-message noise tests, and annual balance tests. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

The Telephone Company will provide, on a quarterly basis, an MST report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.5 Testing Services (Cont'd)

## (A) Switched Access Service (Cont'd)

(5) Nonscheduled Testing

Nonscheduled Testing (NST) of Switched Access Services is where:

- The customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent ("automatic testing"); or
- The Telephone Company provides a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests ("cooperative testing"); or
- The Telephone Company provides a technician at its office(s), and/or at the customer's premises with suitable test equipment to perform the required tests ("manual testing").
- Nonscheduled Tests may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer may require.

(6) Obligations of the Customer

The customer shall provide the Remote Office Test Line priming data to the Telephone Company, as appropriate, to support NST as set forth in 13.3.5(A)(5) preceding.

The customer shall make the facilities to be tested available to the Telephone Company at times mutually agreed upon.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.5 Testing Services (Cont'd)(B) Special Access Service

The Telephone Company will, at the request of a customer, provide assistance in performing specific tests requested by the customer.

(1) Additional Cooperative Acceptance Testing (ACAT)

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the requested tests, the Telephone Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing on Voice Grade Services. At the customer's request, the Telephone Company will provide a technician at the customer's premises or at the end user premises. These test may, e.g., consist of the following:

- Attenuation Distortion (i.e., frequency response);
- Intermodulation Distortion (i.e., harmonic distortion);
- Phase Jitter;
- Impulse Noise;
- Envelope Distortion;
- Echo Control; or
- Frequency Shift

(2) Nonscheduled Testing (NST)

When a customer provides a technician at its premises, with suitable test equipment to perform the required tests, the Telephone Company will provide a technician at its office for the purpose of conducting Nonscheduled Testing. At the customer's request, the Telephone Company will provide a technician at the customer's premises. Nonscheduled tests may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer may require.

(3) Obligation of the Customer

When the customer subscribes to Testing Service as set forth in this section, the customer shall make the facilities to be tested available to the Telephone Customer at times mutually agreed upon.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.5 Testing Services (Cont'd)(C) Rates and Charges

The rates and charges for Testing Services are found in 31.13 following.

13.3.6 Provision of Access Service Billing(A) Primary Bill

- (1) The customer will receive its primary monthly access bill in standard format on paper at no charge.
- (2) At the customer's option, at no additional charge, the customer may receive its primary monthly access bill on magnetic tape in lieu of paper. A negotiated service date interval will apply as set forth in 5.2.1(B) preceding.
- (3) At the customer's option, at no additional charge, the customer may receive its primary monthly access bill on CD-ROM in lieu of paper if the bill(s) for the requested bill period has a data capacity of at least one (1) megabyte. To the extent the Telephone Company can, with reasonable effort, comply with the customer's request, changes to existing bill period(s) will be made to either (a) meet the minimum requirement or (b) maximize available CD-ROM capacity. Data on the CD-ROM will be formatted using standards determined by the Telephone Company. A negotiated service date interval will apply as set forth in 5.2.1(B) preceding.
- (4) At the customer's option, at no additional charge, the customer may receive its primary monthly access bill electronically by subscribing to the Direct Customer Access - Access Billing option. Direct Customer Access provides a customer with on-line access to a gateway which enables the customer to electronically communicate with Telephone Company operations support systems. A negotiated service date interval will apply as set forth in 5.2.1(B) preceding.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.6 Provision of Access Service Billing (Cont'd)

## (A) Primary Bill (Cont'd)

- (5) At the customer's option, at no additional charge, the customer may receive its primary monthly access bill by electronic data transmission in lieu of paper. The customer is responsible for expenses incurred in providing a data transmission system compatible with the Telephone Company billing data output specifications. A negotiated service date interval will apply as set forth in 5.2.1(B) preceding.
- (6) Unless otherwise specified, the customer will receive an abbreviated bill in paper format for remittance when the magnetic tape, CD-ROM, Direct Customer Access or electronic data transmission options are chosen as the primary billing media. The abbreviated bill will conform with industry standard billing data output and will be provided at no charge to the customer. The abbreviated bill is optional for those customers electing to remit their payment to the Telephone Company electronically.
- (7) The rules and regulations concerning payment arrangements and credit allowances described in Section 2.4 preceding applies to all primary monthly access bills, regardless of the chosen bill medium.

## (B) Changes in Billing Media

The Telephone Company will accept requests for changes from one form of primary billing media to another at no charge to the customer. Where a customer requests combinations of more than one type of billing media, and the Telephone Company can, with reasonable effort, comply with that request, such combinations will be provided to the customer.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.6 Provision of Access Service Billing (Cont'd)

(C) Additional Copies

At the request of the customer, an additional copy of the access bill will be provided in either standard paper format, magnetic tape format, CD-ROM, via Direct Customer Access or via electronic data transmission.

Charges for the provision of an additional copy of the access bill are set forth in 31.13 following.

(D) Electronic Data Transmission

Regulations regarding electronic data transmission failure will apply as follows:

- (1) In the event of transmission failure resulting from Telephone Company error, the Telephone Company will re-send a bill by electronic data transmission at no charge to the customer.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.6 Provision of Access Service Billing Information (Cont'd)(D) Electronic Data Transmission (Cont'd)

- (2) In the event of transmission failure resulting from failure of the customer's transmission line or other customer error, the Telephone Company will re-send a bill by electronic data transmission at the same rates and charges as a request for an additional copy of the access bill as set forth in 31.13 following.
- (3) In the event that there are problems or disputes regarding receipt of the data transmission other than those outlined in (1) and (2) preceding, the Telephone Company will forward a duplicate access bill on magnetic tape via overnight delivery. The same rates and charges as a request for an additional copy of the access bill will apply as set forth in 31.13 following.

(E) Rates and Charges

The rates and charges for the Provision of Access Service Billing Information are found in 31.13 following.

13.3.7 Reserved for Future Use

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.8 Controller Arrangement

This arrangement enables the customer to control up to 48 transfer functions at a Telephone Company central office via a CPE remote keyboard terminal capable of either 300 or 1200 bps operation. Included as part of the Controller Arrangement is a dial-up data station located at the Telephone Company central office to provide access to the Controller Arrangement. The dial-up data station consists of a 212A DATAPHONE® data set and an appropriate Telephone Company provided channel.

The Controller Arrangement must be located in the same Telephone Company central office as the transfer functions which it controls.

Transfer Arrangements, as set forth in 31.7 following are required in addition to the Controller Arrangement in order to obtain a complete operational service.

Rates and charges for the Controller Arrangement are found in Section 31.13 following.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.9 Wiring/Line Investigation

- (A) Customers may request a wiring or line investigation of their end user's line. An investigation includes preliminary examination of the end user's billing history and recent service order activity, central office testing to verify that the line is wired correctly, and, when necessary, dispatch of a company technician to inspect the line.
- (B) If in the course of the investigation a trouble is located in the Telephone Company's billing, wiring or line equipment, the trouble will be corrected as soon as possible and no charge will apply to the customer for the investigation.
- (C) When a customer requests a wiring or line investigation, the customer shall be responsible for payment of a Wiring/Line Investigation charge when:
  - (1) Trouble is determined to be in equipment or communications systems provided by other than the Telephone Company, or
  - (2) No trouble is found in the Telephone Company's billing or facilities. In either case, no credit allowance will be applicable for any service interruption.
- (D) The charge for Wiring/Line Investigation is found in 31.13. following.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.10 Reserved for Future Use13.3.11 Public Access Line Optional Features

Public Access Line (PAL) optional features are supervisory and screening features for use with Public Access Line Service as provided under the general and/or local exchange service tariffs of the Telephone Company.

PAL optional features are provided at the rates specified in Section 31.13.12 following. The Local Switching Installation Nonrecurring Charge as set forth in Section 31.6.2(C) following applies when a PAL optional feature is ordered subsequent to the initial installation of the associated Public Access Line Service. When more than one PAL optional feature is ordered at the same time on the same Access Order, for the same due date and on the same Public Access Line Service, only one Local Switching Installation Nonrecurring Charge is applicable. Nonrecurring charge(s) are not applicable for any other optional feature(s) which are installed on the same Access Order, for the same due date and on the same Public Access Line Service.

PAL optional features are as specified in (A) through (D) following.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.11 Public Access Line Optional Features (Cont'd)

## (A) PAL Line Side Answer Supervision

Line Side Answer Supervision provides "off-hook" supervisory signals to the customer premises equipment of a Public Access Line Service when the called party answers the call. When a called party on-hook at the end of a call is detected, the reverse battery is returned to normal indicating that the called party has disconnected from the call. Line Side Answer Supervision is available in 5ESS and DMS-100 central offices where facilities permit.

## (B) PAL Direct Dial Screening

PAL Direct Dial Screening blocks directly dialed toll calls made from a Public Access Line Service, except when the directly dialed call is placed to 800 numbers. With this service, toll calls may be placed on an operator handled basis. Direct Dial Screening is available from suitably equipped electronic end office switches where facilities permit. With the exception of the State of Maine, Direct Dial Screening is not available when the Public Access Line Service is provided with municipal calling service.

## (C) PAL Operator Screening

PAL Operator Screening alerts the operator that operator handled calls and operator handled directory assistance calls which originate from a Public Access Line Service may not be billed to the originating number. With the assistance of an operator, calls may be placed on a calling card, collect or charge to a third number basis. PAL Operator Screening is available where facilities permit.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.11 Public Access Line Optional Features (Cont'd)

## (D) PAL Terminating (Billed) Number Screening

PAL Terminating (Billed) Number Screening provides screening of terminating calls to a Public Access Line Service as follows:

- (1) Option A alerts operators throughout the country that collect and third number calls cannot be billed to a particular number.
- (2) Option B alerts operators throughout the country that third number calls cannot be billed to a particular number.
- (3) Option C alerts operators throughout the country that collect calls cannot be billed to a particular number.

PAL Terminating (Billed) Number Screening is available where facilities permit.

13.3.12 Service Provider Number Portability(A) Service Provider Number Portability (SPNP) General Description

SPNP allows, where facilities permit: (1) a local exchange telephone service customer to maintain the same Directory Number (DN) when changing from one telecommunications service provider to another while remaining at the same location; and (2) callers to complete calls to numbers that have been ported. This capability has been activated in the Telephone Company's nine (9) largest Metropolitan Statistical Areas (MSAs) on a switch specific basis as specified in the National Exchange Carrier Association Inc. Tariff, F.C.C. No. 4.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.12 Service Provider Number Portability (Cont'd)(B) SPNP and SPNP Database Service (SPNPDS) Service Description

SPNP is an advanced intelligent network capability which utilizes the common channel signaling network to query a database to secure network routing instructions before completion of a call. This database contains the Location Routing Number (LRN) that identifies the switch of the Local Service Provider (LSP) that serves a customer with a ported DN. The LRN is used to direct the call to the correct network switching element for completion to the end user customer. Where more than one network is involved in completing the call, the network prior to the termination (i.e., the N-1 Network) is normally responsible for querying a SPNP database to secure the LRN which is then used in routing the call.

Where the N-1 carrier does not perform a database query, and forwards a call to a switch in the Telephone Company's network for a NXX designated as a number portable code in the National Exchange Carrier Association Inc. F.C.C. No. 4, the Telephone Company will perform a query for the N-1 carrier and bill that N-1 carrier a SPNP Query charge, as shown in Section 13.3.12(E) following.

When the Telephone Company is the first point of switching for terminating traffic to another local exchange carrier (e.g., a Telephone Company tandem switch), the Telephone Company will perform the query on behalf of the N-1 carrier and bill the N-1 carrier a SPNP Query charge, as shown in Section 13.3.12(E) following.

Where the N-1 Network queries the Telephone Company SPNP database, the Telephone Company will bill that N-1 carrier a SPNP database query charge.

SPNP Database Service procedures will be applied uniformly to all users of the Telephone Company's SPNP Database Network. The Telephone Company SPNP Database will receive and respond to all queries, including the Telephone Company's queries as defined in the Technical Reference filed with this service.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.12 Service Provider Number Portability (Cont'd)(C) Service Provider Number Portability Database Service (SPNPDS) Service Application

There are two service arrangements of SPNPDS available through the Telephone Company's network:

- SPNP Query
  - Tandem
  - End Office
- SPNP Database Query

Following are detailed descriptions of each of the available service applications.

(1) SPNP Query

When the Telephone Company performs a query on behalf of the N-1 carrier, the Telephone Company's end office or access tandem switch will suspend call processing, formulate and launch a query via the common channel signaling network to a SPNP database to obtain information necessary to route calls to numbers in portable NXX codes. When the necessary routing information has been returned from the SPNP database to the switch originating the query, call processing is resumed and the call is routed to the correct network switching element for completion to the called party.

When a Telephone Company tandem switch performs the query on behalf of the N-1 carrier, an SPNP Query-Tandem charge is applied whenever the call is to an NXX from which a DN has been ported.

When a Telephone Company end office switch performs the query on behalf of the N-1 carrier, an SPNP Query-End Office charge will apply when the called DN has ported out of the Telephone Company switch.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.12 Service Provider Number Portability (Cont'd)(C) Service Provider Number Portability Database Service (SPNPDS) Service Application  
(Cont'd)(2) SPNP Database Query

N-1 carriers may query the Telephone Company's SPNP database interconnecting with the Telephone Company's common channel signaling network as provided in Section 6 preceding (Common Channel Signaling Access/Signaling System 7 (CCSA/SS7) Service). This is an optional service.

N-1 carriers may arrange in advance to query, via the common channel signaling network, the Telephone Company's SPNP database which contains information necessary to route calls to number portable NXX codes. When the necessary routing information has been returned from the SPNP database to the switch originating the query, call processing is resumed by the originating N-1 carrier, and the call is routed to the correct network switching element for completion to the called party. The N-1 carrier will be assessed a SPNP Database Query Charge on all queries to the SPNP Database.

(D) SPNPDS Service Provisioning(1) SPNPDS Provisioning

The database provides LRN information on ported telephone numbers in the states of Maine, New Hampshire, and Vermont. Customer requests for SPNP Database Query Service will be treated as projects.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.12 Service Provider Number Portability (Cont'd)(D) SPNPDS Service Provisioning (Cont'd)(2) Limitations

SPNP Database Service is to be used only on a call-by-call basis for routing calls to number portable NXX codes and cannot be used for purposes other than those functions described herein.

Information residing in the Telephone Company's SPNP database is protected from unauthorized access and may not be stored in a customer's database or elsewhere for any reason.

(3) Network Management

The Telephone Company will administer its network to ensure the provision of acceptable service levels to all telecommunications users of the Telephone Company's network services.

The Telephone Company maintains the right to apply automated or manual protective controls which would generally be applied as a result of occurrences such as failure or overload of Telephone Company facilities, customer facilities, or other networks, natural disasters, mass calling, or national security demands.

(E) Rate Regulations

The rates and charges associated with SPNPDS which are "query" based will be billed monthly, based on recorded usage. For billing purposes, each month is considered to have thirty (30) days.

(1) Rate Elements

The following provides a list of the various SPNP rate elements.

- SPNP Query
  - Tandem
  - End Office
- SPNP Database Query
- SPNP Database Service Activation and/or Rearrangement
- Wireless SPNP Surcharge

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.12 Service Provider Number Portability (Cont'd)(E) Rate Regulations (Cont'd)(1) Rate Elements (Cont'd)(a) SPNP Query

The SPNP Query rate element provides for the identification of the LRN information associated with the directory number including transport of the query to and from the database. This charge is assessed at either a Tandem or End Office rate depending on where the query was launched.

- (1) SPNP Query - Tandem Query Charges are assessed to each non-queried call delivered at the Telephone Company Tandem to numbers in NXXs from which a DN has ported. This charge is also assessed when the N-1 carrier delivers calls to other LECs through a Telephone Company Tandem.
- (2) SPNP Query - End Office Query Charges are assessed to each non-queried call to a directory number that has been ported out of a Telephone Company end office switch, and the end office switch performs the query.
- (3) The SPNP Database Query rate element provides for the identification of the LRN associated with the directory number being queried including transport from the Telephone Company STP to the SPNP database (this service is provided in connection with CCSA/SS7 Service described in Section 6 preceding). This charge will be assessed to each query made to the SPNP Database.

(b) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for a specific work activity. These nonrecurring charges are applicable for the installation of the service and for rearrangements of the service. In addition, an Access Order Charge will apply to the SPNP Database Query Service, as shown in Section 5 preceding.

(1) SPNPDS Activation and/or Rearrangement Charge:

A nonrecurring charge applies for the translation of the signaling point code as applicable to the SPNP Database Query.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)

13.3 Miscellaneous Services (Cont'd)

13.3.12 Service Provider Number Portability (Cont'd)

(E) Rate Regulations (Cont'd)

(1) Rate Elements (Cont'd)

(c) Reserved for Future Use

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.3 Miscellaneous Services (Cont'd)13.3.13 ISP Traffic Origination Service(A) General

ISP Traffic Origination Service applies to all telecommunications delivered by the Company to another telecommunications service provider (the “interconnecting carrier”) for which the interconnecting carrier imposes on the Company an interstate charge pursuant to federal tariff for delivery of telecommunications to an Internet Service Provider (the “delivery charge”). ISP Traffic Origination Service reimburses the Company for the interstate cost of handing off traffic that is bound for the Internet to the interconnecting carrier and is not intended to cover the cost of any subscriber or common line facilities.

(B) Rates

For each call for which the interconnecting carrier attempts to assess a delivery charge of \$0.008 per minute to the Company, the Company will assess to the interconnecting carrier an ISP Traffic Origination rate per minute which is the Interconnection Charge set forth in Section 31.13.15 following. For each call for which the interconnecting carrier attempts to assess a delivery charge of other than \$0.008 per minute to the Company, the Company will assess to the interconnecting carrier an ISP Traffic Origination rate per minute which is the Alternative Interconnection Charge set forth in Section 31.13.15 following. The Alternative Interconnection Charge is the actual delivery charge, per minute, that the interconnecting carrier assesses on the Company.

The Interconnection Charge set forth in Section 31.13.15 following will apply to the same calls, and for the same duration, as the interconnecting carrier attempts to assess on the Company through its delivery charge.

13.4 Reserved for Future Use

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.5 Billing Name and Address (BNA) Service

Billing Name and Address (BNA) Service is the provision of the complete billing name, street address, city or town, state and zip code for an end user's telephone number assigned by the Telephone Company.

BNA is offered to telecommunications service providers for the following limited purposes and may not be resold or used for any other purpose:

Billing customers for using telecommunications services of that service provider and collecting amounts due.

Any purpose associated with the "equal access" requirement of the United States v. AT&T, 552 F.Supp. 131 (D.D.C. 1982).

Verification of service orders of new customers, identification of customers who have moved to a new address, fraud prevention, and similar nonmarketing purposes.

13.5.1 General Description

At the option of the customer, BNA Service may be provided on either a manual or a mechanized basis. On a manual basis, BNA information will be provided by voice telecommunications or by mail, as set forth in 13.5.2 following. BNA information for messages originated from data terminal numbers (DTNs) of data communications services is provided on a manual basis only. On a mechanized basis, BNA information will be provided on magnetic tape containing recorded customer messages.

13.5.2 Undertaking of the Telephone Company

BNA information is furnished for sent-paid, collect, bill to third party, 700 and 900 service calls and calls made with a calling card bearing an account number assigned by the Telephone Company and validated by access to data maintained by the Telephone Company.

- (A) Upon verbal or written request from an authorized individual of the customer who furnishes the Personal Identification Number (PIN) assigned by the Telephone Company, the Telephone Company will provide BNA information on a manual basis.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.5 Billing Name and Address (BNA) Service (Cont'd)13.5.2 Undertaking of the Telephone Company (Cont'd)

## (A) (Cont'd)

Telephone requests of BNA information for up to 16 telephone numbers will be responded to on line. Telephone requests for BNA information for over 16 and up to 100 telephone numbers will be responded to by a call back by the next business day.

A request for BNA information for over 100 and up to 500 telephone numbers must be mailed to the Telephone Company. The Telephone Company will provide the response by first class U.S. mail within ten business days.

- (B) The Telephone Company will, at the request of the customer, provide BNA service on a mechanized basis. The tape of recorded messages must be provided by the customer. The Telephone Company will enter the BNA information on the tape and send it to the customer by first class U.S. mail within 6 business days of receipt. If an additional tape is required in order to provide the customer with requested BNA information, an Additional Tape Charge as set forth in 31.13 following will apply.

In the event that the BNA information cannot be provided as set forth in (D) following, the record processing charge will still apply.

- (C) When the customer places an order for BNA Service, the Telephone Company will specify the format in which requests and tapes are to be submitted.

- (D) The BNA information will be provided for the calling number furnished to the extent a billing name and address exists in the Telephone Company data base.

In addition, the Telephone Company will not provide BNA information for those end users with unlisted or nonpublished telephone numbers who have requested that their BNA not be disclosed for collect, bill to third party and calling card calls.

- (E) The Telephone Company will provide the most current BNA information resident in its data base. Due to normal end user account activity, there may be instances where the BNA information provided is not the BNA that was applicable at the time the message was originated.

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13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.5 Billing Name and Address (BNA) Service (Cont'd)13.5.3 Obligations of the Customer

- (A) With each order for BNA Service, the customer shall provide the name of the authorized individual(s) to whom the BNA information should be sent and the address to which the BNA information should be sent. In addition, when BNA Service is ordered on a manual basis, the customer must identify in writing all authorized individuals who will contact the Telephone Company and include the PIN assigned by the Telephone Company.
- (B) A customer which orders BNA Service on a mechanized basis must provide the Telephone Company with an acceptable test tape which includes all call types for which BNA information may be requested.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.5 Billing Name and Address (BNA) Service (Cont'd)13.5.4 Rate Regulations

- (A) Service Establishment Charges apply for the initial establishment of BNA Service on either a manual or mechanized basis.
- (B) A charge applies for each request for BNA information for a telephone number or DTN number on a manual basis. A charge applies for each message processed to supply BNA information on a mechanized basis.

The Telephone Company will keep a count of the requests and of the messages processed. The Telephone Company will bill the customer in accordance with these counts whether or not the Telephone Company was able to provide BNA information for all requests and messages.

- (C) Where the recorded message detail is sufficient to determine a message is an interstate message, the rates set forth in 31.13 following will apply to each such message.

Service Establishment Charges and usage for which the recorded message detail is insufficient to determine jurisdiction will be prorated by the Telephone Company between interstate and intrastate. The percentages provided in the reports as set forth in 2.3.10 preceding will serve as the basis for prorating charges.

13.5.5 Rates and Charges

Rates and charges for BNA Service are found in Section 31.13 following.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.6 1+ Coin Service(A) General

- (1) 1+ Coin Service provides operator services coin processing for the customer's end user coin InterLATA and IntraLATA toll calls that are dialed from Telephone Company provided network controlled payphone access lines. 1+ Coin Service includes real-time (automated) rating, live operator assistance, and management and reporting of coin deposits.
- (2) Customers subscribing to 1+ Coin Service will be required provide information specific to the customer, including rate tables, Carrier Identification Code(s) (CIC), Service Provider Identification (SPID), branding requirements, and technical contacts. Customers are also required to subscribe to originating Switched Access service for all end user calls pursuant to applicable tariffs.

(B) Service Description

- (1) This service allows a customer's end user to place 1+ coin payphone calls from Telephone Company provided network controlled payphone access lines used with network controlled payphones. The Telephone Company will transport these calls from the central office that serves the payphone to the Telephone Company operator services tandem switch.
- (2) Once the 1+ coin payphone call reaches the Telephone Company operator services tandem switch, the applicable rate (based on customer provided rate tables) will be announced to the end user, and the sufficiency of the coin deposit amount will be verified. Any changes in rate tables must be provided to the Telephone Company 30 days prior to the Effective: date of the rate table change.
- (3) After verification of the coin deposit, the Telephone Company will release the 1+ coin payphone call to the customer for call completion. The customer must provide Feature Group D trunks that use Signaling System 7 (SS7) to the operator services tandem switch for delivery of calls to the customer.
- (4) The Telephone Company will route the call from the operator services tandem switch to the customer's trunks based on the CIC, as provided by the customer. Customer requests to change or add CICs will require a 60-day implementation period.

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## ACCESS SERVICE

13. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd)13.6 1+ Coin Service (Cont'd)(B) Service Description (Cont'd)

- (5) Branding for 1+ Coin Service is an available option. The customer must provide branding tape(s) in a format acceptable to the Telephone Company at least four weeks prior to implementation.
- (6) Live operator assistance will be provided:
  - (a) When an end user encounters difficulty or requests assistance in placing 1+ coin payphone calls, or
  - (b) When the call duration exceeds the time covered by the initial deposit (time-outs). In time-out situations, an operator will request additional coin deposits from the end user. Any overtime will require additional coin deposits. The limit for one-time coin deposits (initial or subsequent) is \$3.00.
- (7) Live operator assistance will not be provided for the following:
  - (a) Alternate billing (e.g., collect, bill-to-third number, or calling card) or person-to-person call requests.
  - (b) Change of Class requests in time-out situations. The end user may not change method of payment for the call.
  - (c) Payphone calls that are dialed using 0-.

(C) Rate Regulations

Rates and charges for 1+ Coin Service are shown in Section 31.13.15 following. Rate elements include a per-call rate for rating and branding, a per-second charge for live operator assistance, and a nonrecurring charge per rate table change. Billing of rates and charges will be based on CICs specified by the customer. These rates and charges are in addition to the rates and charges for originating switched access (including tandem switched transport and switching) applicable to end user calls originating from the Telephony Company's network as shown in Section 30.6 following.

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## ACCESS SERVICE

14. Communications Services14.1 General14.1.1 Undertaking of Carrier

- (A) Service is furnished for interstate communications originating or terminating at specified points within Company's operating territory as defined in Section 15.
- (B) Company shall provide service in accordance with the terms and conditions set forth in this Section.
- (C) Company may, when authorized by Customer and agreed to by Company, act as Customer's agent for ordering facilities provided by other carriers to allow connection of Customer's locations to Company's network or to the network of an underlying carrier or service.
- (D) Company will pass on and bill to Customer any charges it incurs (including applicable recurring and nonrecurring charges and any time and material charges) from other service providers, such as ILECS and CLECS, necessary to complete provision of a service offered in this Tariff to Customer's designated premises.
- (E) Service is provided on a monthly basis unless ordered on a longer term basis, and is available 24 hours per day, seven days per week.
- (F) Purchases of the same service from the FairPoint Telephone Companies shall be included toward Customer's total volume commitments for the service.

14.1.2 Limitations on Service

- (A) Service is offered subject to the availability of the necessary facilities and equipment and subject to the provisions of this Tariff.
- (B) Company reserves the right to discontinue furnishing service, or to limit the use of service, when necessitated by conditions beyond its control, when Customer is using service in violation of the law or in violation of the provisions of this Tariff, or for nonpayment by Customer.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.2 Limitations on Service (Cont'd)

- (C) Customer may not transfer or assign the use of any service provided under this Tariff without the prior written consent of Company. All regulations and conditions contained in this Tariff, as well as any additional conditions for service, shall apply to any and all such permitted assignees or transferees. Except and to the extent that applicable laws or regulation require such notice, Company may assign its rights and obligations hereunder in whole or in part without notice to Customer.
- (D) Service may not be used for any unlawful purpose.
- (E) Company may require Customer to sign an application form furnished by Company and to establish credit as provided in this Tariff, as a condition precedent to the initial establishment of service. Company's acceptance of an order for service to be provided to an applicant whose credit has not been duly established may be subject to the deposit provisions described in Section 14.1.8 of this Tariff. Company may also require a signed authorization from Customer for additions to or changes in existing service for Customer.

14.1.3 Limitations on Liabilities

- (A) The liability of Company for damages is limited to liability arising solely and directly from mistakes, omissions, interruptions, delays, errors, or defects in transmission occurring in the course of furnishing service that are not caused in whole or in part by acts or omissions of any other person, and shall in no event exceed an amount equal to the charges Company would assess Customer during the period during which mistakes, omissions, interruptions, delays, errors, or defects in transmission occurred.
- (B) Company shall not be liable for unlawful use, or use by any unauthorized person, of its service, or for any claim arising out of a breach in the privacy or security of communications transmitted by Company.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.3 Limitations on Liabilities (Cont'd)

- (C) Company shall not be liable for any failure of performance due to causes beyond its reasonable control, including but not limited to acts of God, fires, meteorological phenomena, floods, or other catastrophes, national emergencies, insurrections, riots or wars, strikes, lockouts, work stoppages or other labor difficulties, and any law, order, regulation, or other action of any governing authority or agency thereof. With respect to the services, Company hereby expressly disclaims all warranties, expressed or implied, not stated in this Tariff, and in particular disclaims all warranties of merchantability and fitness for a particular purpose.
- (D) Company shall not be liable for any act or omission of other carriers or persons, including carriers or persons whose facilities may be utilized in establishing connections to Company's facilities. Customer shall indemnify and save harmless Company from any third party claims asserting such liability.
- (E) Company shall not be liable for any damages Customer may incur as a result of the unauthorized use the services provided under this Tariff. Customer is responsible for controlling access to, and the use of, the services provided by Company.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.4 Cancellation or Discontinuance of Service by Company

Without incurring any liability, Company may under the following conditions cancel service prior to commencement. Company may also discontinue service that is being furnished, provided that, unless otherwise stated, Customer shall be given fifteen (15) days written notice of such cancellation or discontinuance of service.

- (A) For noncompliance with or violation of any applicable municipal, state, or federal law, ordinance or regulation or noncompliance with or violation of any Commission regulation, provided that no notice may be given.
- (B) For Customer's refusal to provide reasonable access to Company or its agents for the purpose of installation, inspection or maintenance of equipment owned by Company.
- (C) For noncompliance with any of the provisions of this Tariff.
- (D) For nonpayment of any sum due Company for more than thirty (30) days after delivery of an invoice to the custody of the U.S. Mail or other delivery service.
- (E) Without notice, in the event of Customer's use of equipment in such a manner as to adversely affect Company's equipment or its provision of service to others.
- (F) Without notice, in the event of unauthorized or fraudulent use of service. Whenever service is discontinued for unauthorized use of service, Company may, before restoring service, require Customer to make, at its own expense, all changes to its facilities or equipment necessary to eliminate unauthorized use and to pay to Company an amount reasonably estimated by Company as the loss in revenues to Company resulting from such unauthorized use plus claims lodged against Company by third parties.
- (G) Without notice, by reason of any order or decision of a court or other government authority having jurisdiction that prohibits Company from furnishing service to Customer.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.5 Cancellation or Termination of Service by Customer

- (A) Customer may cancel service by giving notice to Company up to the day service is scheduled to commence subject to payment of any applicable early termination charges.
- (B) If Customer orders service which requires special construction or facilities for Customer's use, and then cancels its order before service begins, a charge shall be made to Customer for the nonrecoverable portions of the expenditures or liabilities incurred on behalf of Customer by Company. This charge may be in addition to any other applicable early termination charges.
- (C) Company shall have up to thirty (30) days to complete a disconnect. Customer shall be responsible for all charges for 30 days, or until the disconnect is effected, whichever is sooner. This 30-day period shall begin on the day of receipt of a disconnection notice from Customer.

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ACCESS SERVICE

14. Communications Services (Cont'd)

14.1 General (Cont'd)

14.1.6 Restoration of Service

The use and restoration of service shall in all cases be in accordance with the priority system specified in Part 64, Subpart D, of the Rules and Regulations of the Federal Communications Commission.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.7 Payment and Billing

- (A) For billing of fixed charges, service is considered to be established upon the day on which Company notifies Customer of installation or testing of Customer's service. Fixed charges shall be billed monthly in advance and are due upon receipt. Customer shall be billed for all usage in arrears. Rate changes shall be effective on the effective date of the rate change.
- (B) Bills are due and payable upon receipt. Interest at the lesser of a rate of one and one-half percent (1.5%) per month, or the maximum rate allowed by law, may be charged on any amount remaining unpaid after thirty (30) days from delivery of an invoice to the custody of the U.S. Mail or other delivery service.
- (C) The security of Customer's authorization or access code is the responsibility of Customer. Customer shall be responsible for payment of all charges applicable to the service, including in cases where the service was accessed in a manner not authorized by Customer.
- (D) Company reserves the right to examine the credit record of an applicant or Customer. A Customer whose service has been discontinued for nonpayment of bills shall be required to pay any unpaid balance due to Company before service is restored, and a deposit may be required.
- (E) Company shall make no refund of overpayments by Customer unless the claim for such overpayment, together with proper evidence, is submitted within two (2) years from the date of the alleged overpayment. In calculating refunds, any applicable discounts shall be adjusted based upon the actual monthly usage after all credits or adjustments have been applied.
- (F) A charge shall apply whenever any check or draft for payment for service is not accepted by the institution on which it is written.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.8 Deposits

- (A) Each applicant for service may be required to establish credit. Any applicant whose credit has not been duly established may be required to make a deposit to be held as a guarantee of payment of charges at the time of application. In addition, an existing Customer may be required to make a deposit or increase a deposit presently held. Company shall pay interest on deposits if and to the extent required by applicable law.
- (B) A deposit shall not exceed the estimated charges for three (3) month's service plus installation, and shall be returned:
- When an application for service has been canceled prior to the establishment of service. Such deposit shall be applied to any applicable charges, and the excess portion of the deposit shall be returned.
  - At the end of twelve (12) consecutive months of a satisfactory credit history.
  - Upon the discontinuance of service. Company shall apply Customer deposit against any outstanding balances due. If a credit balance exists, a refund shall be made to Customer.

The fact that a deposit has been made in no way relieves Customer from complying with the regulations with respect to the prompt payment of bills on presentation.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.9 Taxes

- (A) Service may be subject to Federal, state and/or local taxes at the prevailing rates. Such taxes are listed as separate line items on Customer's invoice, are not included in the rates and charges listed herein, and shall be paid by Customer in addition to the rates and charges stated in this Tariff.
  - (B) To the extent that a municipality, other political subdivision or local agency of government, or the Commission, imposes upon and collects from Company a gross receipts tax, occupation tax, license tax, permit fee, franchise fee, regulatory or other fee, such taxes and fees shall, insofar as practicable, be billed pro rata to Customers receiving service within the territorial limits of such municipality, other political subdivision, or local or Federal government or agency.
  - (C) Company may adjust its rates and charges or impose additional rates and charges on its Customers in order to recover amounts it is required by governmental or quasi-governmental authorities to collect from or pay to others in support of statutory or regulatory programs. Examples of such programs include, but are not limited to, the Universal Service Fund (USF). Imposition, billing and collection of such rates and charges are subject to billing and other system changes by Company.
- (1) For Recovery of Contributions Paid by Company to FUSF Telecommunications services provided by Company are subject to an undiscountable monthly FUSF Surcharge, payable by Customer. The FUSF Surcharge shall be calculated as follows: The gross amounts (exclusive of taxes) attributable to interstate and international services billed to Customer by Company multiplied by 11.3%. The FUSF Surcharge will not be assessed to the extent Company is not assessed a fee on the billed charges.

Customers may certify exemption from FUSF Surcharges at the ACNA level or at the BAN level. Certification at the ACNA level will exempt all BANs under that ACNA. Certification at the BAN level will exempt only the specified BANs. FUSF Surcharge exemption certification can be completed and submitted on the Telephone Company's web site at <http://www.fairpoint.com/>.

## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.10 Terminal Equipment

Service may be used with or terminated in Customer-provided terminal equipment. Such terminal equipment shall be furnished by and maintained at the expense of Customer, except as otherwise provided. Customer is also responsible for all costs it incurs in the use of service, including but not limited to equipment, wiring, electrical power, and personnel. When such terminal equipment is used, it shall in all respects comply with the generally accepted minimum protective standards of the telecommunications industry as endorsed by the Federal Communications Commission.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.11 Interconnection

Service furnished by Company may be connected with the services or facilities of other carriers. Customer is responsible for all charges billed by other carriers in connection with the use of service. Any special equipment or facilities necessary to achieve compatibility between carriers are the sole responsibility of Customer.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.12 Inspection, Testing and Adjustment

- (A) Company may, with or without notice, make such tests and inspections as may be necessary to determine whether tariff requirements are being complied with in the installation, operation, and maintenance of Customer's or Company's equipment or services. Company may, without notice, interrupt service at any time, as necessary, because of a departure from any of these requirements and may continue such interruption until its requirements have been satisfied.
- (B) Upon reasonable notice, the facilities provided by Company shall be made available to Company by Customer for such tests and adjustments as may be necessary for their maintenance to a condition satisfactory to Company.
- (C) Company shall not be liable to Customer for any damages for service interruption pursuant to this Section.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.13 Interruption of Service

- (A) It shall be the obligation of Customer to notify Company of any interruption of service. Before giving such notice, Customer shall ascertain that the trouble is not being caused by any action or omission of Customer or is not in wiring or equipment connected to the terminal of Company. Company's liability for service interruption is limited according to the provisions of Section 14.1.3.
- (B) When service is interrupted for four hours or more, Company will, upon request by Customer, issue a credit, computed as set forth below, provided such interruption is not determined by Company to have been caused by the negligence or willful action of Customer, or any other person at Customer's terminal location, or by the failure of Customer's equipment or power supply.
- (C) Credit is computed by multiplying the monthly rate for service by the ratio that the number of hours in the period of interruption bears to 720 hours. For the purpose of this computation, each month shall be considered to have 720 hours. The credit shall be based upon the non-usage charges for the month during which the interruption occurred, excluding equipment and access line charges.
- (D) An interruption is measured from the time Company detects trouble or Customer notifies Company of the interruption by an expeditious means, until the trouble is cleared. Each interruption is considered separately for the purposes of establishing credit allowance. No credit shall be given for an interruption of service of less than four hours. The credit for a billing period shall not exceed the monthly rate.
- (E) When a service qualifies for Service Response Credits as set forth in Section 14.1.16 following, credit for an interruption in service under this Section 14.1.13 does not apply.
- (F) Credit for interruption of service does not apply when such credit is limited under the rates, terms and conditions of the specific service involved.

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ACCESS SERVICE

14. Communications Services (Cont'd)

14.1 General (Cont'd)

14.1.14 Provision of Service

Services are provided only in those geographic areas where facilities exist, where Company has in its discretion determined (subject to applicable law) to provide services, and where Company is authorized to provide services. Provision of services offered under this Tariff are subject to availability.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.15 Special Construction

When Company determines that the installation of service meets the guidelines of the special construction tariffs, the customer is notified and conditions are negotiated as prescribed by the special construction tariff. A joint planning meeting between customer and Company may be held to minimize any special construction charges.

The regulations, rates and charges for interstate special construction are set forth in the tariff defined under Application of Tariff section preceding. The Special Construction rates and charges are in addition to the regulations, rates and charges specified in this Tariff.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.16 Service Response Credits (SRC)

(A) The following lists the services that are subject to optional SRCs:

- |     |                            |                    |
|-----|----------------------------|--------------------|
| (1) | Frame Relay Service (FRS)  | Section 14, 14.2.1 |
|     | Exchange Access ATM CRS II | Section 14, 14.2.4 |
| (2) | National TLS               | Section 14, 14.2.2 |

(B) Service Response Credits apply to the following categories:

- On Time Provisioning
- Mean Time to Repair (MTTR)
- Network Availability

The Service Response Credits apply against the following rate elements:

ATM CRS UNI Port with Access Line Connection  
ATM CRS IISP Port with Access Line Connection  
FRS UNI Port With Access Line Connection  
IP-VPN Internet Protocol Virtual Connection (i-VC)  
National TLS Ethernet Virtual Circuit (EVC)

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.16 Service Response Credits (SRC) (Cont'd)

## (C) General

## (1) Maximum Amounts of Service Response Credits

## (a) Services listed in Section 14.1.16(A) preceding

The combined total of any Service Response Credits applied to an individual service may not exceed the following thresholds:

- (i) For any calendar month, the total monthly recurring charges billed to the customer of record for qualifying individual rate element(s) for that month.
- (ii) For any calendar year, ten percent (10%) of the total annual revenue of the prior calendar year billed to the customer of record for qualifying rate elements, or \$200,000 per individual service, whichever is the lesser. For any calendar year in which a Customer did not have qualifying service in the prior calendar year, \$75,000 per individual service.

## (b) Services listed in Section 14.1.16(B) preceding

- (i) For any calendar month, the total SRCs for a qualifying individual rate element shall not exceed twenty percent (20%) of the monthly recurring charge billed to the customer of record for that qualifying individual rate element for that month. This limitation shall apply even if Customer was eligible for SRCs for a rate element under more than one metric. For instance, if for a rate element for a calendar month Customer was eligible for SRCs under two metrics (such as MTTR and Network Availability), the SRC due to Customer would be limited to 20% of the monthly recurring charge billed to Customer for that rate element for that month, even though the total of the SRCs provided for in the two metrics when added together would be 40% of the monthly recurring charge billed to Customer for that rate element for that month.
- (ii) The combined total of any Service Response Credits applied to an individual service may not exceed the following threshold: For any calendar year, ten percent (10%) of the total annual revenue of the prior calendar year billed to the customer of record for qualifying rate elements, or \$200,000 per individual service, whichever is the lesser. For any calendar year in which a Customer had less than 12 full months of revenue for qualifying service in the prior calendar year or no qualifying service in the prior calendar year, \$20,000 per individual service.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.16 Service Response Credits (SRC)(Cont'd)

## (C) General (Cont'd)

- (2) To receive SRCs on eligible rate elements, Customer must have rate elements listed in its initial subscription submitted under Section 14.1.16(D)(1) based on the established customer of record, or have ordered the eligible rate elements subsequent to its initial subscription. Company reserves the right to change, alter or discontinue the optional SRC plan at its discretion.
- (3) All service performance and provisioning measurements are conducted using Company monitoring systems and procedures. Company may change these systems and procedures at its sole discretion. In performing measurements of overall Mean Time To Repair and Network Availability as set forth in Sections 14.1.16(F) and 14.1.16(G) following, Company shall include data measured from throughout the territories covered by this tariff.
- (4) To receive credit, the Company must receive from the Customer a written request for credit within 30 calendar days of the end of the SRC monitoring period. The Customer's request for credit must be submitted to the appropriate Company entity (office or interface) in a manner prescribed by Company. The request must include a list of all impacted circuit/connection identification numbers and the type of SRC requested for each circuit/ connection. The SRC monitoring period is based on a calendar month.

## (D) Responsibility of the Customer

## (1) General

To participate in the SRC plan, Customer must meet the qualifications set forth in 14.1.16(D)(2), following, for FRS and 14.1.16(D)(3), following, for ATM CRS, and, for all services, submit a subscription in writing, including a list of all qualifying rate elements. Company reserves the right to change, alter or discontinue the SRC plan at its discretion.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.16 Service Response Credits (SRC)(Cont'd)

## (D) Responsibility of the Customer (Cont'd)

## (2) Qualifications for Frame Relay Service (FRS) Customers

FRS Customers will be eligible for SRC when they meet the following requirements:

- (a) Subscribe to and maintain a minimum of 50 FRS User Network Interfaces (UNI) Port With Access Line Connections, each of which must have been in-service for at least one calendar month; and
- (b) Customer must have at least 36 months remaining in an applicable term plan commitment period at the time of initial subscription to SRC. Customer may renew or extend an existing term plan commitment period in order to meet the 36 month minimum for initial qualification.

## (3) Qualifications for Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) Customers

ATM CRS Customers will be eligible for SRC when they meet the following requirements:

- (a) Subscribe to and maintain a minimum of 25 ATM CRS DS1 UNI Port with Access Line Connections, each of which must have been in-service for at least one calendar month; or
- (b) Subscribe to and maintain a minimum of 25 ATM CRS DS1 Interim Inter-Switch Signaling Protocol (IISP) Port With Access Line Connections, each of which must have been in-service for at least one calendar month; or
- (c) Subscribe to and maintain a minimum of 15 ports using any combination of ATM CRS DS3, OC3c or OC12c UNI Port with Access Line Connections or ATM CRS DS3, OC3c or OC12c IISP Port with Access Line Connections, each of which must have been in-service for at least one calendar month; and
- (d) Customer must have at least 36 months remaining in an applicable term plan commitment period at the time of initial subscription to SRC. Customer may renew or extend an existing term plan commitment period in order to meet the 36 month minimum for initial qualification.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.16 Service Response Credits (SRC)(Cont'd)

## (E) On Time Provisioning

On Time Provisioning is defined as Company providing service to the Customer no later than the Firm Order Commitment (FOC) due date provided by the Company plus twenty-four (24) hours. For these purposes, "providing service" is defined as successful completion of testing of the circuit/connection and rate element by Company. The FOC due date is provided to Customer at the time an order is verified for order accuracy, availability of required facilities and components, and completion of design and ordering related forms and documents (including, but not limited to, network design, configuration and data gathering form(s), and ASRs).

If Company does not meet the FOC due date plus 24 hours for a rate element, due to Company reasons, an On-Time Provisioning SRC equal to a percentage of the associated monthly recurring charge for the rate element for the month in which the due date was missed will apply as follows.

<u>SRC Eligible Service</u>	<u>Applicable Percentage</u>
ATM	50%
FRS	50%
IP-VPN	20%
National TLS	20%

## (1) The On-Time Provisioning SRC does not apply:

- (a) Where facilities sufficient to provision the order do not exist;
- (b) Where special construction of facilities is required;
- (c) When the FOC date is missed because the Customer is not ready to accept service on the FOC date;
- (d) When Customer changes the order after receiving the FOC date from Company;
- (e) On orders for which an expedited interval has been requested;
- (f) On orders for disconnection; or
- (g) When one or more of the conditions set forth in Section 14.1.16(H) apply.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.16 Service Response Credits (SRC)(Cont'd)

## (F) Mean Time to Repair (MTTR)

- (1) MTTR applies to a Customer-reported interruption of service on a subscribed rate element that is within the Company's network (outside plant or central office).
- (2) Interruption of Service or Trouble is defined as a condition which renders a service unusable to the Customer due to a failure of a facility component within the Company's network that is used to furnish the service. The Company reserves the right to determine when the service is unusable based on its internal procedures. When the Customer reports trouble to the Company-designated entity for such reports, a trouble ticket is opened.
- (3) MTTR for a calendar month shall be the average of all ticket outage duration, or Time to Repair (TTR), as calculated by Company. The TTR is the Restored Date and Time (the trouble ticket closed time) minus the reported Date and Time (the trouble ticket start time) minus any stop clock time associated with hold, no access or suspend that was logged against the Trouble Report. Stop clock time includes, but is not limited to, the following times:
  - (a) Periods when Customer testing is occurring.
  - (b) Periods when Customer is working on its own Customer Premises Equipment (CPE) and has not yet released the circuit/connection to Company for maintenance, testing or repair.
  - (c) Periods when the Company is awaiting Customer authorization to commence work on the circuit/connection.
  - (d) Periods when the Company is denied access to premises or facilities as necessary to diagnose, repair or test a circuit/ connection.
  - (e) Periods following repair of a circuit/connection when the ticket is held open by Customer to ensure the trouble is resolved.
  - (f) Periods when pre-defined maintenance windows have been established between Company and Customer.
  - (g) For IP-VPN and National TLS, service interruptions related to provisioning of a new i-VC or EVC, respectively.

MTTR is calculated by summing TTR for all measured tickets for Customer for the month and dividing by the total number of tickets for that Customer during that month.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.16 Service Response Credits (SRC)(Cont'd)

## (F) Mean Time to Repair (MTTR) (Cont'd)

## (3) (Cont'd)

MTTR excludes any subsequent reports (i.e., additional Customer inquiries while the trouble is pending), CPE troubles, trouble found on the Customer's side of the point of demarcation, no trouble found, troubles closed due to Customer action and troubles repaired by Company prior to receipt of a trouble report on that circuit/connection.

The following one-time MTTR SRC applies per rate element per calendar month period.

For ATM and FRS, when the overall MTTR is greater than 4 hours, SRCs apply as follows:

- (a) A credit equal to 50% of the monthly recurring charge (MRC) applies per rate element that was the subject of a trouble ticket during the monitoring period whose open duration exceeded 4 hours but did not exceed 8 hours.
- (b) A credit equal to 100% of the monthly recurring charge (MRC) applies per rate element only that was the subject of a trouble ticket during the monitoring period whose open duration exceeded 8 hours.

For IP-VPN and National TLS, when the overall MTTR is greater than 4 hours, SRCs apply as follows:

A credit equal to 20% of the monthly recurring charge (MRC) applies per rate element that was the subject of a trouble ticket during the monitoring period whose open duration exceeded 4 hours.

## (4) The MTTR SRC does not apply:

- (a) When the Customer fails to report the outage to the Company;
- (b) When a circuit/connection has been in service for less than one full calendar month;
- (c) When an interruption of service is 4 hours or less; or
- (d) When one or more of the conditions set forth in Section 14.1.16(H) apply.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.16 Service Response Credits (SRC)(Cont'd)

## (G) Network Availability

Network Availability refers to the percentage of time over a measured calendar month that the service is available for use by Customer. The Company threshold for Network Availability is 99.90% in a calendar month.

Network Availability is calculated based upon the total number of minutes in a calendar month that a Customer was actually in service divided by the total number of minutes in that month that a Customer could have been in service for a given set of service component(s).

Network Availability = (1,440 minutes x number of days in month x number of service components) – (Number of minutes service was interrupted during month) and then divided by the possible number of available minutes for the month (1,440 minutes x number of days in month x number of service components).

<u>SRC Eligible Service</u>	<u>Service Component Used in Calculation</u>
ATM	Permanent Virtual Circuit (PVC)
FRS	PVC
IP-VPN	i-VC
National TLS	EVC

For example: A customer has 50 PVCs in the month of July. July has 31 days; 1,440 minutes per day. Three PVCs were out of service over the course of the month for 120 minutes each or a total of 360 minutes. Network availability would be calculated by (1,440 minutes/day X 31 days X 50 PVCs) = 2,232,000 minutes less 360 minutes out of service = 2,231,640 minutes of actual customer network availability. 2,231,640 is divided by 2,232,000 which equals that customer's July Network Availability of 99.98%.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.16 Service Response Credits (SRC)(Cont'd)

## (G) Network Availability (Cont'd)

The Number of Minutes Out of Service is computed in the same fashion as the number of minutes for Time to Repair. If overall Network Availability is less than the threshold of 99.90%, then a Network Availability SRC equal to a percentage of the associated monthly recurring charge (MRC) will apply for the applicable individual rate elements for the service components that do not achieve the threshold. The Company will not round up the calculation to reach the 99.90% threshold.

<u>SRC Eligible Service</u>	<u>Applicable Percentage</u>
ATM	10%
FRS	10%
IP-VPN	20%
National TLS	20%

The Network Availability Service Response Credit does not apply:

- (1) When Customer fails to report the outage to Company.
- (2) When a circuit/connection has been in service for less than one full calendar month.
- (3) When one or more of the conditions set forth in Section 14.1.16(H) apply.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.16 Service Response Credits (SRC)(Cont'd)

## (H) When a Service Response Credit Does Not Apply

Service Response Credits do not apply under the following conditions:

- (1) The negligence of Customer or other party authorized by Customer to use the service;
- (2) Interruptions, failures or delays due to power, equipment, service or systems not provided by Company;
- (3) Interruptions, failures or delays in Customer owned or installed equipment;
- (4) Interruptions, failures or delays at any time in which Company or Company's agents are not granted reasonable access to the premises where access lines associated with the service are terminated;
- (5) Interruptions, failures or delays as a result of Customer authorized maintenance, rearrangement of services or implementation of an order;
- (6) Interruptions, failures or delays resulting from a Customer's refusal to release service(s) for testing and/or repair;
- (7) Interruptions, failures or delays due to acts of God or the public enemy, compliance with any order of any governmental authority, acts of terrorism, war, rebellion, insurrection or sabotage or damage resulting therefrom, fires, floods, earthquakes, unusually severe weather, explosions, washouts, rules and regulations with regard to common carriers, accidents, epidemics, breakdowns, riots, strikes or other concerted acts of its employees, whether direct or indirect, lockouts or other industrial disturbances, whether direct or indirect, worms, viruses or other contaminants that may cause damage to or disable software, computer or electronic systems, or any similar cause, or other causes beyond such party's reasonable control;
- (8) Interruptions, failures or delays due to the hours of scheduled maintenance and scheduled downtimes where Customer has received prior notification from the Company;
- (9) For IP-VPN and National TLS, interruptions, failures or delays during periods that maintenance and network upgrades are being performed; or
- (10) During periods of temporary discontinuance as set forth in Section 14.1.4 preceding.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.17 Availability of Service

Company's service is furnished to Customers for data communications originating and terminating within its service area, as specified in Section 4 of this Tariff under the terms and conditions of this Tariff. Company's service is available twenty-four (24) hours per day, seven (7) days per week unless otherwise specified herein.

Company arranges for installation, operation, and maintenance of the service provided in this Tariff for Customer in accordance with the terms and conditions set forth in this Tariff. Company may, when authorized by Customer, act as Customer's agent for ordering access connection facilities provided by other carriers or entities (such as the LEC), to allow connection of a Customer's location to Company's service. Customer shall be responsible for all charges due for such service arrangements.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.18 Commingling

Except as provided in Section 51.318 of the Federal Communications Commission's Rules, telecommunications carriers who obtain unbundled network elements or combinations of unbundled network elements pursuant to a Statement of Generally Available Terms, under Section 252 of the Act, or pursuant to an interconnection agreement with the Company, may connect, combine, or otherwise attach such unbundled network elements or combinations of unbundled network elements to data services purchased under this tariff except to the extent such agreement (1) expressly prohibits such commingling; or (2) does not address commingling and the requesting carrier has not negotiated an interconnection agreement (or amendment) expressly permitting such commingling. The rates, terms and conditions of this tariff will apply to the data services that are commingled.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.19 Facilities Hub

Customer has the option of ordering analog or digital facilities (i.e., DS1, DS1C or DS3) to a facility Hub for channelizing to individual services requiring lower capacity facilities. Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to analog may occur at one location while multiplexing from digital to digital may occur at a different location. Locations (wire centers) that provide multiplexing of High Capacity Services have been designated as Intermediate Hubs, Super-Intermediate Hubs or Terminus hubs. When ordering, Customer will specify the desired multiplexing Hub(s) or grooming Hubs, as applicable.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.20 Ordering Charges

## (A) Initial Ordering Charge

This charge applies on a per Service Request basis, including those requests to add additional termination to an existing service.

## (B) Subsequent Ordering Charge

This charge applies on a per Service Request basis for modifications to an existing service. This would include activities such as:

- Additions of supplemental features and multiplexing arrangements.
- Changes in the type of transport rate option.

The applicable charges are specified within each service rate section.

14.1.21 Requests for Expedition

Customer may request an expedited service date. For those services that can be expedited, Company will provide an estimate of the charges to Customer. Customer must accept the price estimate prior to Company performing the expedite. The actual charges billed to Customer will be no more than 10 percent over the estimate.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.1 General (Cont'd)14.1.22 Moves

A move normally involves an interruption of service for the period required to complete the move. No credit allowance will be granted for that period. Customer is responsible for any applicable special construction or non-standard charges at the different CDL.

Customer may request that service not be interrupted during a move. To comply with that request, it may be necessary to install a duplicate service, and subsequently discontinue the existing service. Charges, monthly and nonrecurring, will apply for the duplicate service. A new minimum period will be established for the duplicate portion of the service, depending on which end of service is moved. Customer will remain responsible for all minimum period charges associated with the corresponding portion of the disconnected service.

## (A) Same CDL

When the move is to a new point within the same CDL (same address and/or same building), the charge for the move will be the Subsequent Ordering Charge plus an amount equal to one half the appropriate installation charge for the service termination affected. There will be no change in the minimum period requirements. For services subject to payment plan regulations, Customer will keep the same payment period in force.

## (B) Different CDL

When the move is to a different CDL (different address and different building), except as specified below, it will be treated as a disconnect and an installation of service. The Initial Ordering Charge will apply plus the appropriate service installation charge for the service termination(s) affected. A new minimum period will be established for the installed service. Customer will remain responsible for all minimum period charges associated with the disconnected service.

When the move is to a different CDL but served by the same serving wire center, the following conditions apply:

- A change Service Request will be required.
- Subsequent Ordering Charge will apply plus the appropriate service installation charge for the service termination(s) affected.

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ACCESS SERVICE

14. Communications Services (Cont'd)

14.2 Description of Data Services and Rates

The services in this Tariff are available in the following operating territories of Maine, New Hampshire, and Vermont.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service#(A) General

Frame Relay Service (FRS) is a medium to high speed connection-oriented packet switched data service that allows for the interconnection of Local Area Networks (LAN) or other compatible customer equipment across a wide area for the purpose of interstate access. FRS allows for the transfer of variable length frames (packets). Frames are relayed by virtual connections, i.e., frames travel a fixed path through the network although bandwidth is not dedicated to each virtual connection.

# The following footnote is not applicable to the 56 kbps UNI Port With Access Line Connection, 56 kbps and 128 kbps UNI and , 56 kbps and 128 kbps Backup UNI, PVC CIR, and Premier PVC rate elements of FRS. Effective May 9, 2007, orders for new FRS are no longer permitted. The Company will continue to provide FRS pursuant to this Section 5.1 on any existing FRS that is in-service as of May 9, 2007, or any order for FRS that is placed with the Company prior to May 9, 2007 (collectively, Existing FRS), subject to the following conditions:

- (1) The Company will continue to provide Existing FRS to a term plan customer for an additional six (6) months beyond the expiration date of the customer's current commitment period at the existing rates of the current term plan, or until the customer replaces the Existing FRS with a comparable Company provided service, or discontinues service, whichever comes first. Subject to the availability of network facilities, moves are permitted provided that such moves do not require a new commitment period. Administrative changes that do not result in a physical change to the underlying UNI/NNI are permitted. Additions are not permitted.
- (2) The Company will continue to provide Existing FRS UNIs/NNIs purchased on a month-to-month basis until November 9, 2007, or until the customer replaces the Existing FRS with a comparable Company provided service, or discontinues service, whichever comes first. Moves, additions, and/or changes are not permitted.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)(A) General (Cont'd)

This service uses Permanent Virtual Connections (PVCs). A PVC is a logical channel from one Frame Relay port to another Frame Relay port. When FRS is used to access IP-VPN Service, a PVC is a logical channel from one Frame Relay port to the IP-VPN network. PVCs are bi-directional channels that are established and dis-established via the service order process.

The Frame Relay standard specifies an address field called the Data Link Connection Identifier (DLCI). The DLCI specifies a connection (e.g., customer premises to LEC switch or LEC switch to interexchange carrier network). A PVC is comprised of two or more DLCIs.

This service, comprised of two Interfaces, a User Network Interface (UNI) and a Network-to-Network Interface (NNI), allows FRS compatible Customer Premises Equipment (CPE) to originate or terminate interexchange services. All UNI access facilities must be in conformance with American National Standards Institute (ANSI) standards T1.606-1990, T1.606 Addendum 1-1991, T1.606a-1992, T1.617, Annex D-1992. All NNI access facilities must be in conformance with ANSI standards T1.606b-1993 and Bellcore Technical Reference TR-TSV061370, Issued: May 1993.

# Service availability limited. Refer to # footnote on Page 14-32.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (A) General (Cont'd)

FRS may be connected to the following Company provided services, where such connections are technically and operationally feasible, as determined by the Company:

- asynchronous transfer mode cell relay service
- digital subscriber line service
- frame relay service
- internet protocol virtual private network service

FRS provides high speed throughput over digital facilities at speeds of 56 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, 512 Kbps, 768 Kbps, 1.536 Mbps, 4 Mbps, 6 Mbps, 10 Mbps, 22 Mbps or 44.736 Mbps. Physical access to the Frame Relay network is provided via a UNI Port with Access Line Connection, a UNI Port Only Connection, or via an NNI Port Only Connection with a digital transmission facility.

A 56 Kbps DDS II, Bonded Digital Link, or a DS1 or DS3 rated channel termination may be used as the UNI Port Only Connection or transport link. A DS1 or DS3 rated channel termination may be used as the NNI Port Only Connection transport link. When available, DS1 transport must be equipped with both B8ZS capability and Extended Super Frame (ESF).

A 44.736 Mbps High Capacity rated channel termination may be used as the 4 Mbps, 6 Mbps, 10 Mbps, 22 Mbps UNI Port Only Connection dedicated access link. A 44.736 Mbps High Capacity rated channel termination may be used as the 44.736 Mbps UNI Port Only or 44.736 Mbps NNI Port Only Connection dedicated access link to a DS3 FRS Packet Switch at a transmission speed of 44.736 Mbps. Channel mileage applies, as appropriate. DS3 transport must be equipped with B3ZS.

Network maintenance and network upgrades for FRS are performed during the hours of 11:00 PM and 8:00 AM. At times, during the hours of maintenance activity, it will be necessary to place Customer's service in an inactive (out of service) condition. The amount of time that this scheduled out of service condition will exist is called a "maintenance window". Company will provide Customer' notice prior to the maintenance window. Maintenance window activity could be scheduled for consecutive days.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (B) Service Components

FRS is comprised of the service components which are described in more detail following:

UNI Port with Access Line Connection  
User Network Interface (UNI) Port Only Connection  
NNI Port Only Connection  
Committed Information Rate  
Optional Features and Functions

## (1) UNI Connections

The UNI is a standard interface used to connect the end user to the FRS Network. It receives the data frame from Customer's LAN or other CPE devices and verifies that the DLCI is valid before relaying the frame to the destination end point.

- (a) The UNI Port with Access Line Connection consists of a 56 kbps, 384 kbps, 1.536 Mbps or 44.736 Mbps digital facility from Customer premises to the FRS network and the appropriate port interface connection. UNI Port with Access Line Connection also includes the transport from a Customer's serving wire center to a Frame Relay Switch, when required. The effective data rate of this line is 56 kbps for narrowband connectivity and 384 kbps, 1.536 Mbps, 4 Mbps, 6 Mbps, 10 Mbps, 22 Mbps and 44.736 Mbps for wideband connectivity.

# Service availability limited. Refer to # footnote on Page 14-32.



## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service<sup>#</sup> (Cont'd)

## (B) Service Components (Cont'd)

## (1) UNI Connections (Cont'd)

- (b) UNIs are also provisioned as a Port Only Connection. UNI Port Only Connection provides an FRS Network connection based on the port connection speeds of 56 kbps, 128 kbps, 256 kbps, 384 kbps, 512 kbps, 768 kbps, 1.536 Mbps, 4 Mbps, 6 Mbps, 10 Mbps, 22 Mbps and 44.736 Mbps. The channel speed of the access channel must be sufficient to accommodate the FRS port speed. Each port can accommodate multiple PVCs. UNI Port Only Connections do not include transport from a Customer's serving wire center to a Frame Relay Switch. Such transport, when required, is the responsibility of the Customer and must be ordered separately. Rates and charges for transport to the Frame Relay Switch apply in addition to UNI Port Only rates and charges.

Customers may access Port Only Connections via Company-provided digital access facilities or via facilities provided by another carrier. When access facilities are provided by the Company, the regulations, rates and charges for the specific type of access service apply as specified in the FairPoint Telephone Companies Tariff F.C.C. No. 1. For UNI Port Only Connections ordered to provide a Frame Relay Service network connection from an Expanded Interconnection Arrangement cross connect, associated transport must be ordered in accordance with the FairPoint Telephone Companies Tariff F.C.C. No. 1, Section 28.10. The access facilities rates and charges are in addition to the rates and charges for FRS. Interconnection charges to connect access line services provided by the Company or another carrier may apply and will be billed separately. Any special construction or nonstandard charges assessed by the carrier supplying the access facilities will be the responsibility of Customer.

- (c) Additional UNI Port With Access Line Connections and UNI Port Only Connections, referred to as Backup UNIs, may be ordered under Section 14.2.1(B)(4) following for disaster recovery of one or multiple UNI Port With Access Line Connections and UNI Port Only Connections.

<sup>#</sup> Service availability limited. Refer to <sup>#</sup> footnote on Page 14-32.

## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (B) Service Components (Cont'd)

## (2) NNI Port Only Connections

The NNI specifies how an FRS switch sends and receives data from a Frame Relay interexchange carrier's or other customer's network.

The NNI Port Only Connection provides connection of a digital transmission facility (384 kbps/DS1, 1.536 Mbps/DS1 and 44.736 Mbps/DS3) to Company's FRS Network.

NNI Port Only Connections do not include transport from a Customer's serving wire center to a Frame Relay Switch. Such transport, when required, is the responsibility of the Customer and must be ordered separately. Rates and charges for transport to the Frame Relay Switch apply in addition to the NNI Port Only rates and charges.

Customers may access NNI Port Only Connections via Company-provided digital access facilities or via facilities provided by another carrier. When access facilities are provided by the Company, the regulations, rates and charges for the specific type of access service apply as specified in the FairPoint Telephone Companies Tariff F.C.C. No. 1. For NNI Port Only Connections ordered to provide a Frame Relay Service network connection from an Expanded Interconnection Arrangement cross connect, associated transport must be ordered in accordance with the FairPoint Telephone Companies Tariff F.C.C. No. 1, Section 28.10. The access facilities rates and charges are in addition to the rates and charges for FRS. Interconnection charges to connect access line services provided by the Company or another carrier may apply and will be billed separately. Any special construction or nonstandard charges assessed by the carrier supplying the access facilities will be the responsibility of Customer.

## (3) Committed Information Rate

The Customer is required to specify either a Standard Committed Information Rate (CIR) per PVC at the rates set forth in 14.2.1(E)(2) following or a Frame Relay Service to Asynchronous Transfer Mode Cell Relay Service Interworking (FRASI) CIR per PVC at the rates set forth in 14.2.1(E)(3) following. Standard CIR provides Customer with a mechanism for prioritizing data on a per PVC basis across a given UNI. Both standard and FRASI CIR allow a sustained throughput at a chosen rate without having any frames

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service<sup>#</sup> (Cont'd)

## (B) Service Components (Cont'd)

## (3) Committed Information Rate (Cont'd)

designated "discard eligible" under normal operating conditions. FRASI CIR enables the creation of a PVC that traverses both a Frame Relay switch and an ATM switch. FRASI CIR permits PVC paths to be established between Frame Relay Service subscribers and ATM users when interworking is available.

The Customer must specify which UNI Port with Access Line Connection or UNI Port Only the Standard PVC CIR will be billed against. FRASI CIR will be billed against the Frame Relay Service. CIR cannot be billed against an NNI port.

For customers of record prior to July 29, 2004, each UNI Port with Access Line Connection, UNI Port Only Connection, and NNI Port Only Connection allows for one logical channel, one network address and transport across the packet network. Additional logical channels are optional features which are described in (4) following. Effective July 29, 2004, logical channels and additional logical channels are no longer available to new customers. Customers of record may retain existing Logical Channels as specified in 14.2.1(B)(4)(b). New customers must purchase Committed Information Rate (CIR) in lieu of Logical Channels.

<sup>#</sup> Service availability limited. Refer to # footnote on Page 14-32.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (B) Service Components (Cont'd)

## (4) Optional Features and Functions

Optional features and functions provide Customer with additional capabilities for use with the FRS packet network. Nonrecurring charges do not apply when optional features are ordered in conjunction with the initial installation of the associated FRS UNI Port Only or UNI Port with Access Line Connection. When ordered subsequent to the initial installation of the associated FRS UNI Port Only or UNI Port with Access Line Connection, nonrecurring charges apply as set forth in Section 14.2.1 following.

## (a) Additional PVCs Per UNI

This feature provides the assignment of additional DLCIs. When any two DLCIs are mapped together, a PVC is created. Additional PVCs Per UNI are subject to the availability of facilities.

## (b) Additional Logical Channel

Additional Logical Channels are no longer available to new customers. For customers of record prior to July 29 2004, a logical channel allows Customer to simultaneously operate multiple channels on a single access or port. In addition to the logical channel included with each access or port connection, additional logical channels may be ordered. Each Additional Logical Channel must be associated with a specific network address and includes connection to another logical channel on an access or port connection in order to form a PVC. When FRS is used to access IP-VPN Service, a logical channel on an access or port connection forms a PVC with an i-VC instead of an additional logical channel. Logical channel Customers placing orders for moves or changes to existing UNI access facilities, or placing orders for new UNI access facilities, will be required to purchase CIR for the PVC between ports. However, customers who renew a term pricing plan, commit to a new term, or have a term pricing plan that expires may retain the logical channels and are not required to purchase CIR for the PVC between ports.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service<sup>#</sup> (Cont'd)

## (B) Service Components (Cont'd)

## (4) Optional Features and Functions

## (c) Committed Information Rate (CIR) Optional Feature

CIR is no longer available to new customers as an optional feature. Effective July 29, 2004, CIR is a chargeable basic component of Frame Relay Service as specified in 14.2.1(B)(3) preceding.

For customers of record prior to July 29, 2004, CIR is a feature that provides Customer with a mechanism for prioritizing data on a per PVC basis across a given UNI. A CIR allows a sustained throughput at a chosen rate without having any frames designated "discard eligible" under normal operating conditions. Various CIR rates are available.

<sup>#</sup> Service availability limited. Refer to <sup>#</sup> footnote on Page 14-32.

## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service<sup>#</sup> (Cont'd)

## (B) Service Components (Cont'd)

## (4) Optional Features and Functions (Cont'd)

## (d) Back-up UNI

Back-up UNI service is a disaster avoidance and disaster recovery feature that consists of a Primary UNI and a Backup UNI and incorporates PVC remapping capabilities of the Frame Relay network. The Primary UNI is terminated at the primary customer host location and in normal operation services PVCs between the primary host location and various customer remote locations. A second UNI, which is designated by the customer as a Backup UNI, is installed and terminated at the customer's backup host location. During normal operations, no PVCs are mapped to the Backup UNI. The customer is required to purchase both UNIs.

A Customer ordering Backup UNI service is responsible for the following:

- Determining network configuration before and after activation of Backup UNI service.
- Providing the Company with the appropriate information required for joint development of the Backup UNI database.
- Maintaining its own port configurations and router tables (for seamless changes from the Primary UNI to the Backup UNI, the customer must use the same addressing scheme on routers connected to the primary and backup sites)

A Backup UNI, which may serve as a backup to one or more Primary UNIs, can be utilized to back up only one Primary UNI at a time. A Backup UNI must be the same or greater port speed than the Primary UNI(s).

In the event of failure of a Primary UNI, digital access line or host location, the Customer must contact the Company to request that the Primary UNI be remapped to the Backup UNI in order to activate the Backup UNI service.

<sup>#</sup> Service availability limited. Refer to <sup>#</sup> footnote on Page 14-32.

## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (B) Service Components (Cont'd)

## (4) Optional Features and Functions (Cont'd)

## (d) Back-up UNI (Cont'd)

Upon restoral of the Primary UNI service, the Customer must contact the Company to request that the Backup UNI be remapped back to the Primary UNI.

A nonrecurring charge applies, per Backup UNI, per occurrence, when a customer requests an activation of the Backup UNI service.

There is no charge for deactivation of Backup UNI service.

## (e) Reserved for Future Use

## (f) Premier PVC

Premier PVC is a chargeable optional feature that enables customers to assign a higher priority of service to customer-specified PVCs. Premier PVC is suitable for PVCs carrying delay-sensitive, loss-intolerant data. Premier PVC is offered with both Standard Committed Information Rate (CIR) and FRASI CIR.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (C) FRS 56 Kbps Volume and Term Commitment Plan

Customers who purchase 56 Kbps UNI Port With Access Line Connections as their FRS may subscribe to the following Volume and Term Commitment Plan under which the rates for the service will be discounted. The term of the Volume and Term Commitment Plan is 36 months. Customer must have in service during the first 12 months of service 300 56 Kbps UNI Port With Access Line Connections and must maintain at least this volume of Connections in service for the remaining term of the plan. Volumes may be aggregated within Company's operating territory. Effective May 21, 2005 and thereafter, the minimum volume of 300 56 Kbps UNI Port With Access Line Connections will also apply to FRS 56 Kbps Volume and Term Commitment Plans established prior to May 21, 2005.

## (1) Application of the Discount

Company shall apply a 10% reduction to the standard monthly rates specified in Section 14.2.1(E)(1) for all FRS 56 Kbps UNI Port With Access Line Connection rate elements which are in service during the 36 months of the term commitment. No service or port under this plan is eligible for additional discounts.

## (2) Minimum Service Commitment

Customer may increase the number of connections which comprise its Minimum Service Commitment at intervals of six months. Once met, the Minimum Service Commitment must be maintained for the balance of the term. If the Minimum Service Commitment has not been attained within the first 12 months of service, the plan shall be terminated and Customer shall owe to Company an amount equal to the difference between the standard rates for the services provided and the discounted rates provided under the plan. Company shall monitor the minimum service commitment and report the results to Customer at intervals of six months.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (C) FRS 56 Kbps Volume and Term Commitment Plan (Cont'd)

## (2) Minimum Service Commitments (Cont'd)

Beginning on month 18 and every six months thereafter (or in the case of an increase in the minimum service commitment during the first 12 months of service, beginning on month 12 and every six months thereafter), Company will conduct a true-up which compares the average number of connections actually in service over the preceding six months to the minimum service commitment. The true-up process will determine if the Customer has maintained its minimum service commitment.

If Customer has failed to maintain the minimum service commitment during the preceding six months, Customer shall be charged an amount equal to the difference between the minimum service commitment and the number of UNI Port With Access Line Connections actually in-service multiplied by the rates applicable under the plan.

If Customer has met its minimum service commitment for the preceding six months, no corrective action will be taken. Customer may retain any discounts previously applied to its service and Connections over the preceding six months.

# Service availability limited. Refer to # footnote on Page 14-32.

## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (C) FRS 56 Kbps Volume and Term Commitment Plan (Cont'd)

## (3) Termination Liability for FRS 56 Kbps Volume and Term Commitment Plan

In the event that service is disconnected in full or Customer otherwise elects to cancel the plan prior to completion of the term, Termination Liability shall apply. The Termination Liability charge shall be the lesser of (1) the difference between the standard rates and the discounted rates under the plan multiplied by the number of UNI Port With Access Line Connections in service during each month Customer subscribed to the plan, or (2) 50% of the charges that would have been paid had customer remained in the plan and maintained the Minimum Service Commitment for the balance of the term. In addition to the termination charges discussed above, if service is disconnected within the first 36 months, Customer will be charged the installation charges applicable under the month-to-month plan. Upon expiration of the plan, Customer may elect any then effective discount or commitment plan applicable to FRS as may be offered under this Tariff. If rates are increased during the term, Customer may terminate its subscription to the plan without payment of termination liability if Customer provides notice of such termination to Company within 120 days of the increase.

In the event that Company introduces new Term Commitment Plans which may be more advantageous for Customer, Customer may roll the services into a new Term Commitment Plan with no Termination Liability applied, provided that the commitment period of the new plan is equal to or longer than the existing plan commitment period, and that the minimum number of FRS 56 Kbps UNI Port With Access Line Connections committed to the new plan is equal to or greater than the existing plan commitment level. Termination Liability also does not apply when portability requirements are met.

# Service availability limited. Refer to # footnote on Page 14-32.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (C) FRS 56 Kbps Volume and Term Commitment Plan (Cont'd)

## (3) Termination Liability for FRS 56 Kbps Volume and Term Commitment Plan (Cont'd)

Portability is the replacement of a FRS 56 Kbps Volume and Term Commitment Plan service with another service for the balance of the plan period. Portability requires that: the replacement UNI Port With Access Line Connection is of the same type and speed and is not already provided under the plan; the orders to accomplish the replacement are placed with Company at the same time with due dates within 90 days of each other; and the quantities associated with the replacement are equal to or greater than the disconnected services. Customer may at any time convert from an existing commitment term to a new commitment of equal or greater length without payment of Termination Liability.

## (D) Application of Rates and Charges

## (1) Administrative Charge

For customers who purchase CIR, an Administrative Charge will be applied whenever a change is made to Customer's Frame Relay configuration at Customer's request. Such changes are defined as those rearrangements necessary to add, delete, or rearrange Customer's configuration, including changes to Customer's selected carrier. Although multiple changes may be caused by such actions, only one Administrative Charge will apply.

An Administrative Charge applies for customer-requested changes to the bandwidth capacity of existing circuits (e.g., 384 kbps to 1.536 Mbps, or 4 Mbps to 10 Mbps). However, if Customer upgrades between service levels (e.g., 384 kbps to 4 Mbps) or downgrades between service levels (e.g., 10 Mbps to 1.536 Mbps), the nonrecurring service charge associated with the new service level applies. The Administrative Charge applies per occurrence, per UNI Port with Access Line Connection, UNI Port Only Connection, Enterprise Port UNI Port Only Connection or NNI Port Only Connection.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (D) Application of Rates and Charges (Cont'd)

## (2) Term Pricing Plans (TPPs)

Extended commitment periods of one, three and five year TPPs are available for UNI Port with Access Line Connections.

Extended commitment periods of one, three and five year TPPs are available for UNI Port Only Connections.

(a) Additional Discount

- (i) Customers who enter into new three-year or five-year TPPs on or after May 19, 2005 for the following UNI Port with Access Line Connection speeds automatically receive an Additional Discount as specified following. The Additional Discount percentage is applied to the monthly 3-year or 5-year TPP rates specified in 14.2.1(E)(1)(a) following. Such rates may change during the TPP commitment period, thereby causing an increase or decrease in the rates applicable to Customer.

	<u>Term Pricing Plan</u>	<u>Additional Discount</u>
384 kbps	Three-Year TPP	25%
1.536 Mbps	Three-Year TPP	40%
4 Mbps	Three-Year TPP	25%
6 Mbps	Three-Year TPP	25%
10 Mbps	Three-Year TPP	25%
22 Mbps	Three-Year TPP	25%
44.736 Mbps	Three-Year TPP	25%
384 kbps	Five-Year TPP	25%
1.536 Mbps	Five-Year TPP	40%
4 Mbps	Five-Year TPP	25%
6 Mbps	Five-Year TPP	25%
10 Mbps	Five-Year TPP	25%
22 Mbps	Five-Year TPP	25%
44.736 Mbps	Five-Year TPP	25%

- (ii) Customers who enter into new three-year or five-year TPPs on or after May 19, 2005 for the following UNI Port Only speeds automatically receive an Additional Discount as specified following. The Additional Discount percentage is applied to the monthly 3-year

# Service availability limited. Refer to # footnote on Page 14-32.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (D) Application of Rates and Charges (Cont'd)

## (2) Term Pricing Plans (TPPs) (Cont'd)

(a) Additional Discount (Cont'd)

## (ii) (Cont'd)

or 5-year TPP rates specified in 14.2.1(E)(2) following. Such rates may change during the TPP commitment period, thereby causing an increase or decrease in the rates applicable to Customer.

	<u>Term Pricing Plan</u>	<u>Additional Discount</u>
384 kbps	Three-Year TPP	57%
1.536 Mbps	Three-Year TPP	40%
44.736 Mbps	Three-Year TPP	25%
384 kbps	Five-Year TPP	57%
1.536 Mbps	Five-Year TPP	40%
44.736 Mbps	Five-Year TPP	25%

- (iii) Customers who entered into TPPs prior to May 19, 2005, may renew such TPPs for the same commitment period or commit to a new term of shorter or longer duration, subject to the application of any early termination charges as set forth in 14.2.1(D)(3) following. Such TPPs shall be considered to be new TPPs; and, if Customer purchases CIR for all of the PVCs between the ports, such TPPs shall be eligible to receive the Additional Discount in accordance with 14.2.1(D)(2)(a)(i) and (ii) preceding.

- (iv) All Customers shall remain subject to all terms and conditions for TPPs as set forth in this Tariff.

Extended commitment periods of one, three and five year TPPs are available for NNI Port Only Connections.

Extended commitment periods of three and five year TPPs are available for s.

A seven year TPP is available to customers who entered into the 7 year TPP prior to July 29, 2004 for UNI Port with Access Line Connections (56 kbps, 384 kbps, 1.536 Mbps and 44.736 Mbps speeds), UNI Port Only Connections (44.736 Mbps), s (56 kbps, 128 kbps, 256 kbps, 384 kbps, 512 kbps, 768 kbps, 1.536 Mbps and 44.736 Mbps) and NNI Port Only Connections (384 kbps, 1.536 Mbps and 44.736 Mbps speeds). These TPPs are no longer available to new Customers. The Company will continue to provide service to existing customers until their TPP expires or their service is disconnected, whichever occurs first.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (D) Application of Rates and Charges (Cont'd)

## (2) Term Pricing Plans (Cont'd)

Prior to the end of the term commitment period, the customer may select one of the following options, to be effective at the end of the term:

- (a) Renew for the same commitment period;
- (b) Commit to a new term of shorter or longer duration;
- (c) Arrange for a change of service; or
- (d) Discontinue service.

The following regulation applies to customers who enter into TPPs on or after March 12, 2003. In the event the customer does not select one of the above options, the customer will be converted to the shortest term period available under tariff (i.e., month-to-month, one year, etc.) for the same service, and will be subject to the applicable term commitment, if any, unless the customer terminates the service within sixty (60) days of the conversion date.

The following regulation applies to customers who entered into TPPs prior to March 12, 2003. Upon expiration of a TPP, the prevailing rates will apply.

Customers may add UNI Port With Access Line Connections or UNI/Enterprise UNI/NNI Port Only Connections to an existing TPP within the initial 12 months. Otherwise, additional UNI Port With Access Line Connections or UNI/Enterprise UNI/NNI Port Only Connections will be in a separate and new term pricing plan.

## (3) Termination Charges: Month-to-Month and TPPs

All UNI Port with Access Line Connections, UNI Port Only Connections, s and NNI Port Only Connections provided on a month-to-month basis are subject to a minimum service period of one month. If the Customer terminates service prior to the minimum service period, the minimum service period charges apply. No minimum service period applies for Frame Relay Service connections ordered under a term pricing plan.

# Service availability limited. Refer to # footnote on Page 14-32.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (D) Application of Rates and Charges (Cont'd)

## (3) Termination Charges: Month-to-Month and TPPs (Cont'd)

TPPs are subject to early termination liability. In the event that service is disconnected in full or in part after the minimum period but prior to completion of the current term period, the customer shall be liable for an early termination charge, except as noted following.

For customers who enter into TPPs on or after March 12, 2003, the amount of the early termination charge will be 25% of the monthly recurring charge(s) (MRC) for the remainder of the term. For example:

$25\% \times \text{MRC} \times \# \text{ of Port Only/Port With Access Line Connections} \times \text{Remainder of Term} = \text{Termination Charge}$

For customers who entered into TPPs prior to March 12, 2003, the amount of the early termination charge will be the lesser of:

- (a) When there is no TPP less than the actual time the term plan has been in effect, termination liability will be the difference between the month-to-month monthly rate and the monthly rate for the selected term plan times the number of months or fraction thereof that the service was in effect. When there is a TPP less than the actual time the term plan has been in effect, the termination liability charge will be the difference between the discounted monthly rates resulting from the highest term plan commitment period that could be satisfied prior to the disconnection and the discounted monthly rates resulting from the term plan;
- or

- (b) 25% of the monthly rate for the selected TPP times the number of months or fraction thereof remaining in the term.

# Service availability limited. Refer to # footnote on Page 14-32.

## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (D) Application of Rates and Charges (Cont'd)

## (3) Termination Charges: Month-to-Month and TPPs (Cont'd)

Early termination charges will apply only to those rate elements under a term commitment plan. If any rates for the service are increased during the term period, exclusive of any increase due to local, state or federal fees, taxes or surcharges, the customer may terminate the service without incurring an early termination charge.

Early termination charges will not be assessed under the following circumstances:

Customer moves existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term;

Customer converts to a new term commitment plan for the same service before the current term commitment expires and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment; or

Customer changes to another service or upgrades service to a higher speed or capacity under a term agreement, provided the following conditions are met:

- (a) The value of the new term commitment is equal to or greater than the remaining value of the current term commitment;
- (b) Both the existing and the new services are provided solely by the Company; and
- (c) The order to discontinue the existing service and the order for the new or upgraded service are received by the Company at the same time.

# Service availability limited. Refer to # footnote on Page 14-32.



## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (D) Application of Rates and Charges (Cont'd)

## (4) Monthly Rates and Nonrecurring Charges

A nonrecurring charge applies for each installation of certain FRS rate elements. This charge also applies whenever the facility associated with the rate element is moved, changed or rearranged. The charge is not applicable when Customer converts from one term plan to another and there is no physical change in the service facility.

In addition, for customers of record prior to July 29, 2004 with 44.736 Mbps UNI Port with Access Line Connections ordered under a seven-year TPP, the monthly rate is differentiated by the designation of the normal serving wire center of the customer designated premises as 1) an FRS DS3 Packet Switch, 2) an FRS DS3 Access Point, or 3) a serving wire center which is designated as neither an FRS DS3 Packet Switch or an FRS DS3 Access Point. Locations (serving wire centers) that have been designated as either FRS DS3 Packet Switches or FRS DS3 Access Points are identified in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

A nonrecurring charge applies for service ordered on a month-to-month basis. The customer will not be eligible for any refunds of the nonrecurring charges should a term plan be requested subsequent to the initial installation of service.

Premier PVC - A monthly recurring charge applies, on a per CIR basis, for each Premier PVC optional feature ordered. This charge applies in addition to the Standard or FRASI CIR rate element.

# Service availability limited. Refer to # footnote on Page 14-32.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (E) Rates and Charges

In addition to the charges specified below, the general regulations and charges specified in other sections of this Tariff apply, as appropriate. Non-recurring charges apply both to installation and to moves, adds or changes; they do not apply to changes in term or volume discount plans where there is no physical change in the service, except as specified above.

## (1) UNI/NNI Connections

## (a) UNI Port with Access Line Connection

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
56 kbps			
Month-to-Month	NLX5X	\$ 131.91	\$ 875.00
One Year Term	NLX51	127.00	N/A
Three Year Term	NLX53	118.72	N/A
Five Year Term	NLX55	105.53	N/A
Seven Year Term*		98.93	N/A
384 kbps			
Month-to-Month	NLXWX	521.80	1,000.00
One Year Term	NLXW1	480.00	N/A
Three Year Term#	NLXW3	440.07	N/A
Five Year Term#	NLXW5	387.89	N/A
Seven Year Term*		361.80	N/A
1.536 Mbps			
Month-to-Month	NLX6X	851.68	1,000.00
One Year Term	NLX61	777.68	N/A
Three Year Term#	NLX63	704.23	N/A
Five Year Term#	NLX65	619.06	N/A
Seven Year Term*		576.48	N/A
4 Mbps			
Month-to-Month	NLXQX	3,000.00	1,500.00
One Year Term	NLXQ1	2,850.00	N/A
Three Year Term#	NLXQ3	2,451.23	N/A
Five Year Term#	NLXQ5	2,238.08	N/A

# Service availability limited. Refer to # footnote on Page 14-32.

\* Effective July 29, 2004, these rate elements are no longer available to new customers.

# An Additional Discount as specified in 14.2.1(D)(2)(a)(i) preceding applies to three-year or five-year TPPs entered into on or after May 19, 2005.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

(E) Rates and Charges (Cont'd)

(1) UNI/NNI Connections (Cont'd)

(a) UNI Port with Access Line Connection (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
6 Mbps			
Month-to-Month	NLXRX	\$3,450.00	\$ 1,500.00
One Year Term	NLXR1	3,275.00	N/A
Three Year Term	NLXR3#	2,770.95	N/A
Five Year Term	NLXR5#	2,557.80	N/A
10 Mbps			
Month-to-Month	NLXXX	3,700.00	1,500.00
One Year Term	NLXX1	3,500.00	N/A
Three Year Term	NLXX3#	2,900.00	N/A
Five Year Term	NLXX5#	2,750.00	N/A
22 Mbps			
Month-to-Month	NLXSX	4,000.00	1,500.00
One Year Term	NLXS1	3,800.00	N/A
Three Year Term	NLXS3#	3,197.25	N/A
Five Year Term	NLXS5#	2,984.10	N/A
44.736 Mbps			
Month-to-Month	NLXTX	4,500.00	1,500.00
One Year Term	NLXT1	4,300.00	N/A
Three Year Term	NLXT3#	4,250.00	N/A
Five Year Term	NLXT5#	3,836.70	N/A
44.736 Mbps Seven Year Term* (when customer's normal SWC is designated as a FRS DS3 Packet Switch)		3,500.00	\$1.00
(when customer's normal SWC is designated as a FRS DS3 Access Point)		3,972.50	1.00
44.736 Mbps (all other SWCs)		4,445.00	1.00

# An Additional Discount as specified in 14.2.1(D)(2)(a)(i) preceding applies to three-year or five-year TPPs entered into on or after May 19, 2005.

\* Effective July 29, 2004, these rate elements are no longer available to new customers.

# Service availability limited. Refer to # footnote on Page 14-32.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (E) Rates and Charges (Cont'd)

## (1) UNI/NNI Connections (Cont'd)

## (b) UNI Port Only Connection

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
56 Kbps			
Month-to-Month	FPUFX	\$ 80.00	\$300.00
One Year TPP	FPUF1	70.00	N/A
Three Year TPP	FPUF3	60.29	N/A
Five Year TPP	FPUF5	53.59	N/A
128 Kbps*			
Month-to-Month	FPUBX	157.33	300.00
One Year TPP	FPUB1	146.75	N/A
Three Year TPP	FPUB3	141.60	N/A
Five Year TPP	FPUB5	125.86	N/A
256 Kbps*			
Month-to-Month	FPUKX	268.98	300.00
One Year TPP	FPUK1	255.00	N/A
Three Year TPP	FPUK3	242.08	N/A
Five Year TPP	FPUK5	215.18	N/A
384 Kbps			
Month-to-Month	FPUCX	324.80	300.00
One Year TPP	FPUC1	310.00	N/A
Three Year TPP#	FPUC3	292.32	N/A
Five Year TPP#	FPUC5	259.84	N/A
512 Kbps*			
Month-to-Month	FPULX	406.00	300.00
One Year TPP	FPUL1	385.25	N/A
Three Year TPP	FPUL3	365.40	N/A
Five Year TPP	FPUL5	324.80	N/A
768 Kbps*			
Month-to-Month	FPUDX	543.03	300.00
One Year TPP	FPUD1	520.00	N/A
Three Year TPP	FPUD3	488.73	N/A
Five Year TPP	FPUD5	434.42	N/A

# An Additional Discount as specified in 14.2.1(D)(2)(a)(ii) preceding applies to three-year or five-year TPPs entered into on or after May 19, 2005.

\* Available with Standard Committed Information Rate only.

# Service availability limited. Refer to # footnote on Page 14-32.

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## (E) Rates and Charges (Cont'd)

## (1) UNI/NNI Connections (Cont'd)

## (b) UNI Port Only Connection

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
1.536 Mbps			
Month-to-Month	FPUEX	\$654.68	\$300.00
One Year TPP	FPUE1	610.00	N/A
Three Year TPP	FPUE3#	556.48	N/A
Five Year TPP	FPUE5#	491.01	N/A
4 Mbps			
Month-to-Month	FPU4X	790.00	300.00
One Year TPP	FPU41	770.00	N/A
Three Year TPP	FPU43	675.00	N/A
Five Year TPP	FPU45	620.00	N/A
6 Mbps			
Month-to-Month	FPU5X	830.00	300.00
One Year TPP	FPU51	810.00	N/A
Three Year TPP	FPU53	700.00	N/A
Five Year TPP	FPU55	660.00	N/A
10 Mbps			
Month-to-Month	FPU6X	900.00	300.00
One Year TPP	FPU61	870.00	N/A
Three Year TPP	FPU63	760.00	N/A
Five Year TPP	FPU65	700.00	N/A

# Service availability limited. Refer to # footnote on Page 14-32.

# An Additional Discount as specified in 14.2.1(D)(2)(a)(ii) preceding applies to three-year or five-year TPPs entered into on or after May 19, 2005.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (E) Rates and Charges (Cont'd)

## (1) UNI/NNI Connections (Cont'd)

## (b) UNI Port Only Connection (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
22 Mbps			
Month-to-Month	FPU7X	\$1,200.00	\$300.00
One Year TPP	FPU71	1,160.00	N/A
Three Year TPP	FPU73	1,010.00	N/A
Five Year TPP	FPU75	970.00	N/A
44.736 Mbps			
Month-to-Month	FPUOX	3,500.00	300.00
One Year TPP	FPUO1	3,300.00	N/A
Three Year TPP#	FPUO3	2,975.00	N/A
Five Year TPP#	FPUO5	2,625.00	N/A
Seven Year TPP*		2,450.00	N/A

# An Additional Discount as specified in 14.2.1(D)(2)(a)(ii) preceding applies to three-year or five-year TPPs entered into on or after May 19, 2005.

\* Effective July 29, 2004, these rate elements no longer apply to new customers.

# Service availability limited. Refer to # footnote on Page 14-32.

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14. Communications Services (Cont'd)

14.2 Description of Data Services and Rates (Cont'd)

14.2.1 Frame Relay Service# (Cont'd)

(E) Rates and Charges (Cont'd)

(1) UNI/NNI Connections (Cont'd)

(c) NNI Port Only Connections

Reserved for Future Use.

# Service availability limited. Refer to # footnote on Page 14-32.

\* Effective July 29, 2004, these rate elements no longer apply to new customers.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (E) Rates and Charges (Cont'd)

(2) Standard Committed Information Rates		Monthly Charge	Nonrecurring Charge
	USOC		
4 Kbps	R3TYX	\$ 1.00	N/A
8 Kbps	R3TZX	1.00	N/A
16 Kbps	R3TOX	1.00	N/A
28 Kbps	R3TPX	2.00	N/A
32 Kbps	R3TTX	2.00	N/A
42 Kbps	R3XZX	2.00	N/A
48 Kbps	R3X1X	2.00	N/A
64 Kbps	R3TQX	3.00	N/A
96 Kbps	R3X2X	4.00	N/A
128 Kbps	R3TB1	5.00	N/A
192 Kbps	R3TC1	7.00	N/A
256 Kbps	R3TD1	9.00	N/A
288 Kbps	R3X3X	10.00	N/A
384 Kbps	R3TE1	12.00	N/A
512 Kbps	R3TF1	25.00	N/A
576 Kbps	R3X4X	26.00	N/A
768 Kbps	R3TH1	28.00	N/A
1.152 Mbps	R3X5X	36.00	N/A
1.536 Mbps	R3XW3	46.00	N/A
2 Mbps	R3XA3	50.00	N/A
3 Mbps	R3XB3	75.00	N/A
4 Mbps	R3XC3	100.00	N/A
5 Mbps	R3XD3	125.00	N/A
6 Mbps	R3XE3	150.00	N/A
7 Mbps	R3XF3	175.00	N/A
8 Mbps	R3XG3	200.00	N/A
9 Mbps	R3XH3	225.00	N/A
10 Mbps	R3XJ3	250.00	N/A
11 Mbps	R3XK3	275.00	N/A
12 Mbps	R3XL3	300.00	N/A
13 Mbps	R3XM3	325.00	N/A
14 Mbps	R3XN3	350.00	N/A
15 Mbps	R3XO3	375.00	N/A
16 Mbps	R3XP3	400.00	N/A
17 Mbps	R3XQ3	425.00	N/A
18 Mbps	R3XR3	450.00	N/A
19 Mbps	R3XS3	475.00	N/A
20 Mbps	R3XT3	500.00	N/A
21 Mbps	R3XU3	525.00	N/A
22 Mbps	R3XV3	550.00	N/A

# Service availability limited. Refer to # footnote on Page 14-32.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

## (E) Rates and Charges (Cont'd)

(3) Frame Relay Service to Asynchronous Transfer Mode Cell Relay Service  
Interworking (FRASI) Committed Information Rates

	<u>USOC</u>	<u>Monthly Charge</u>	<u>Nonrecurring Charge</u>
4 Kbps	R3TYA	\$ 1.00	N/A
8 Kbps	R3TZA	1.00	N/A
16 Kbps	R3TOA	1.00	N/A
28 Kbps	R3TPA	2.00	N/A
32 Kbps	R3TTA	2.00	N/A
42 Kbps	R3XZA	2.00	N/A
48 Kbps	R3X1A	2.00	N/A
64 Kbps	R3TQA	3.00	N/A
96 Kbps	R3X2A	4.00	N/A
128 Kbps	R3TBA	5.00	N/A
192 Kbps	R3TCA	7.00	N/A
256 Kbps	R3TDA	9.00	N/A
288 Kbps	R3X3A	10.00	N/A
384 Kbps	R3TEA	12.00	N/A
512 Kbps	R3TFA	25.00	N/A
576 Kbps	R3X4A	26.00	N/A
768 Kbps	R3THA	28.00	N/A
1.152 Mbps	R3X5A	36.00	N/A
1.536 Mbps	R3XWA	46.00	N/A
2 Mbps	R3XAA	50.00	N/A
3 Mbps	R3XBA	75.00	N/A
4 Mbps	R3XCA	100.00	N/A
5 Mbps	R3XDA	125.00	N/A
6 Mbps	R3XEA	150.00	N/A
7 Mbps	R3XFA	175.00	N/A
8 Mbps	R3XGA	200.00	N/A
9 Mbps	R3XHA	225.00	N/A
10 Mbps	R3XJA	250.00	N/A
11 Mbps	R3XKA	275.00	N/A
12 Mbps	R3XLA	300.00	N/A
13 Mbps	R3XMA	325.00	N/A
14 Mbps	R3XNA	350.00	N/A
15 Mbps	R3XOA	375.00	N/A
16 Mbps	R3XPA	400.00	N/A
17 Mbps	R3XQA	425.00	N/A
18 Mbps	R3XRA	450.00	N/A
19 Mbps	R3XSA	475.00	N/A
20 Mbps	R3XTA	500.00	N/A
21 Mbps	R3XUA	525.00	N/A
22 Mbps	R3XVA	550.00	N/A

# Service availability limited. Refer to # footnote on Page 14-32.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.1 Frame Relay Service# (Cont'd)

(E)	Rates and Charges (Cont'd)	USOC	Monthly Rates	Nonrecurring Charge
(4)	Administrative Charge	NRM3Z	N/A	\$50.00
(5)	Optional UNI Features			
(a)	Additional Logical Channels**			
	Per Logical Channel per Port			
	1st through 4th		\$8.00	
	5th through 9th		5.00	
	10th and over		1.00	
	Per request, per port		N/A	\$45.00*
(b)	Each Additional PVC		N/A	0.00
(c)	Committed Information Rates*		Refer to the rates and charges set forth in 14.2.1(E)(2) preceding.	
(d)	Backup UNI, per activation	NHC9K	N/A	200.00
(e)	Premier PVC***, per CIR	QPF	10.00	N/A

# Service availability limited. Refer to # footnote on Page 14-32.

\*A nonrecurring charge applies per request per port. Each request may consist of one or more Logical Channels. Nonrecurring charges are not applicable when optional features are ordered in conjunction with the initial installation of the associated FRS UNI Port with Access Line Connection or UNI/Enterprise UNI/NNI Port Only Connection. When ordered subsequent to the initial installation of the associated FRS Port With Access Line Connection or UNI/Enterprise UNI/NNI Port Only Connection, a nonrecurring charge applies per request, per port.

\*\* Effective July 29, 2004, these rate elements are no longer available to new customers.

\*\*\* Rate applies in addition to the associated Standard or FRASI CIR rate.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service#(A) General

- (1) TransConnect LAN Service (TLS) is a high speed data service which provides Ethernet\* transport within a LATA or allows interconnection of Ethernet TLS as described herein between LATAs (National TLS). Ethernet TLS is provided over a shared network and utilizes FDDI, ATM, Gigabit Ethernet or a combination, to transport the Customers' data between Customer locations within a LATA

\* For 16 Mbps TLS, token ring transport is provided in lieu of Ethernet transport.

# Effective March 30, 2007, orders for new TLS are no longer permitted. The Company will continue to provide TLS pursuant to this Section 14.2.2 on any existing Ethernet TLS or National TLS that is in-service as of March 30, 2007, or any order for Ethernet TLS or National TLS that is placed with the Company prior to March 29, 2007 (collectively, Existing Ethernet TLS or Existing National TLS, as applicable), subject to the following conditions:

- (a) The Company will continue to provide Existing Ethernet TLS to a term plan customer for an additional six (6) months beyond the expiration date of the customer's current commitment period, or until the customer replaces the Existing Ethernet TLS with a comparable Company provided service, or discontinues service, whichever comes first. Moves, additions, and/or changes are not permitted.
- (b) The Company will continue to provide Existing Ethernet TLS purchased on a month-to-month basis until September 30, 2007, or until the customer replaces the Existing Ethernet TLS with a comparable Company provided service, or discontinues service, whichever comes first. Moves, additions, and/or changes are not permitted.
- (c) The Company will continue to provide Existing National TLS to a term plan customer until the customer replaces the Existing National TLS with a comparable Company provided service, discontinues service, or until the service is withdrawn from the Tariff, whichever comes first. Moves, additions, and/or changes are not permitted.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(A) General (Cont'd)

## (1) (Cont'd)

Ethernet TLS is available in two service types: Ethernet Multipoint Service (EMS) and Ethernet Relay Service (ERS). EMS is a connection-less Ethernet TLS Service that allows connectivity among multiple Customer designated locations within a LATA. ERS is a connection-oriented Ethernet TLS Service that allows point-to-point connectivity between Customer designated locations within a LATA.

EMS and ERS are available in two interfaces: User to Network Interface (UNI) or Network to Network Interface (NNI). Ethernet Virtual Circuits (Ethernet TLS EVCs), which are available with the ERS service type only, are required to create point-to-point virtual connections.

- (a) The UNI Port With Access Line Connection consists of a dedicated fiber pair that provides a link from the Customer's premises to one of the Company's TLS nodes/switches and the appropriate port interface connection. If the serving wire center of the customer is not a Telephone Company TLS node/switch, Interoffice Mileage applies from the serving wire center to the TLS node/switch.
- (b) The NNI Port Only Connection provides a port interface connection from an Interexchange carrier's network or other service provider's point of presence to one of the Company's TLS switches.
- (c) The Ethernet TLS EVC provides an Ethernet point-to-point virtual connection between customer locations.

UNIs, NNIs and Ethernet TLS EVCs are further described in Section 14.2.2(B)(1) following.

National TLS consists of two service components: National TLS Ethernet Virtual Circuit (National TLS EVC) and Company provided Internet Protocol Interface (IP Interface). National TLS EVCs and IP Interface are further described in 14.2.2(B)(2) following.

- 2. Ethernet TLS creates a network with the ability to function as a shared public network. Customer must select either Ethernet Multipoint Service (EMS) or Ethernet Relay Service (ERS) as the service type for each domain.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(A) General (Cont'd)

## (1) (Cont'd)

With the EMS service type, Ethernet TLS protects data privacy by using closed user groups (CUGs), also known as virtual LANs. CUGs or virtual LANs are used to provide traffic separation, privacy and security between customers on the shared switch and backbone. When Ethernet TLS is used to access IP-VPN Service, CUGs or virtual LANs are used between a customer designated premises and the IP-VPN network. When Ethernet TLS is used to access the National TLS Network, CUGs or virtual LANs are between a customer designated premises and the National TLS Network. Subscribers in a CUG can only access their own data. An EMS domain is comprised of the number of access lines designated by Customer to be included in a CUG or virtual LAN. EMS provides multipoint-to-multipoint connectivity among all of Customer's access lines within a given domain.

With the ERS service type, Ethernet TLS EVCs provide point-to-point virtual connectivity between two Customer access lines, between Customer's access line and an NNI, between Customer's access line and an IP-VPN i-VC or between Customer's access line and a National TLS EVC. An ERS domain is comprised of any number of Ethernet TLS EVCs (one Ethernet TLS EVC = one virtual LAN) designated by Customer to be included in the ERS domain.

Customer may have more than one domain within a LATA, but connections between EMS domains or between domains of different service types are not permitted.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components

## (1) Ethernet TLS

(a) The major components of Ethernet TLS are:

(i) UNI Port With Access Line Connection are available in the following configurations:

- EMS – Standard UNI Port With Access Line Connection
- ERS – Standard UNI Port With Access Line Connection
- EMS – Real Time (RT) UNI Port With Access Line Connection
- ERS - Premier UNI Port With Access Line Connection

(ii) NNI Port Only Connection(s) are available in the following configuration:

- 1000 Mbps (1 Gbps) via single port interface

(iii) Ethernet Virtual Circuit (Ethernet TLS EVC)

(iv) Interoffice Mileage

(v) Domain/Ethernet TLS EVC/LAN Extension Equipment Changes

(vi) Optional Features

(b) UNI Port With Access Line Connection

(i) EMS – Standard UNI Port With Access Line Connection

EMS – Standard UNI Port With Access Line Connections, which are available at 10, 100 and 1000 Mbps, provide connectivity between the Customer premises and the serving wire center. EMS – Standard UNI Port With Access Line Connections are only available where facilities and conditions permit. Connectivity can be established only between/among UNI/NNIs of the same service type.

(ii) ERS – Standard UNI Port With Access Line Connection

ERS – Standard UNI Port With Access Line Connections, which are available at 10, 100 and 1000 Mbps, provide connectivity between the Customer premises and the serving wire center. ERS – Standard UNI Port With Access Line Connections are only available where facilities and conditions permit. Connectivity can be established only between/among UNI/NNIs of the same service type. ERS – Standard UNI Port With Access Line Connection requires purchase of Standard ERS EVCs, as described in Section 14.2.2(B)(1)(d) following, in order to establish point-to-point connectivity among the Customer's access lines.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components (Cont'd)

## (1) Ethernet TLS (Cont'd)

## (b). UNI Port With Access Line Connection (Cont'd)

## (iii) EMS - Real Time (RT) UNI Port With Access Line Connection

EMS - RT UNI Port With Access Line Connections, which are available at 100 Mbps or 1,000 Mbps, provide connectivity between the Customer premises and the serving wire center. This enhanced service class configures a fixed portion of the UNI to be configured for Real Time Traffic, where each 100 Mbps UNI has a Committed Information Rate (CIR) equal to 2 Mbps and an Excess Information Rate (EIR) equal to 0 and where each 1,000 Mbps UNI has a CIR equal to 10 Mbps and an EIR equal to 0. The remainder of the UNI can be used for CIR = 0 with EIR = 0 traffic. Connectivity can be established between/among EMS service types (RT and Standard) but not between EMS and ERS service types.

## (iv) ERS - Premier UNI Port With Access Line Connection

ERS - Premier UNI Port With Access Line Connections, which are available at 100 Mbps or 1,000 Mbps, provide connectivity between the Customer premises and the serving wire center. ERS - Premier UNI Port With Access Line Connection requires some combination of ERS-B, ERS-PD, and/or ERS-RT EVC service classes, as described in Section 14.2.2(B)(1)(d) following, in order to establish point-to-point connectivity among the Customer's access lines. A Customer cannot mix ERS-Premier UNI ports with any other UNI type.

All of the following requirements must be met in order to provision ERS - Premier UNI Port With Access Line Connections:

The percentage allocated for EVC bandwidth for ERS-B is less than or equal to 500% of UNI Speed; and

The percentage allocated for EVC bandwidth for ERS-PD is less than or equal to 100% of UNI Speed; and

The percentage allocated for EVC bandwidth for ERS-RT is less than or equal to 50% of UNI Speed; and

The percentage allocated for EVC bandwidth for a combination of ERS-PD and ERS-RT is less than or equal to 100% of UNI Speed; and

The percentage allocated for EVC bandwidth for a combination of ERS-B, ERS-PD and ERS-RT is less than or equal to 600% of UNI Speed.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components (Cont'd)

## (1) Ethernet TLS (Cont'd)

## (b) UNI Port With Access Line Connection (Cont'd)

## (iv) ERS - Premier UNI Port With Access Line Connection (Cont'd)

ERS – Premier UNI Port With Access Line Connection are offered at the following CLLI's:

<u>State</u>	<u>CLLI</u>
ME	BRWKMEEV
ME	PWNLMEEL

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components (Cont'd)

## (1) Ethernet TLS (Cont'd)

## (c) Network to Network Interface (NNI) Port Only Connection

NNI Port Only Connections are available at the speed of 1000 Mbps. The TLS NNI Port Only configuration is used for connecting two networks together for bidirectional messaging and is available on a private basis only. NNI Port Only Connections are available as either EMS or ERS. Connectivity can be established only between/among UNI/NNIs of the same service type.

Interoffice transport from a Customer's serving wire center to the TLS switch is not included. Such transport, when required, is the responsibility of the Customer and must be ordered separately from the FairPoint Telephone Companies Tariff F.C.C. No. 1, as applicable.

Access to NNI Port Only Connections is provided via LAN Extension Service and is subject to the regulations, rates and charges specified in the FairPoint Telephone Companies Tariff F.C.C. No. 1, Section 7, as applicable. The channel speed of the LAN Extension Service channel must be sufficient to accommodate the NNI Port speed.

# Service availability limited. Refer to # footnote on Page 14-62.

## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components (Cont'd)

## (1) Ethernet TLS (Cont'd)

## (c) Network to Network Interface (NNI) Port Only Connection (Cont'd)

NNI Port Only Connections are available at the speed of 1000 Mbps (1 Gbps) with a single port interface.

NNI Port Only Connections can only be accessed via:

- (i) LAN Extension Service, subject to the regulations, rates and charges specified in either the FairPoint Telephone Companies Tariff F.C.C. No. 1, Section 7, as applicable. The channel speed of the LAN Extension Service channel must be sufficient to accommodate the NNI Port speed. The commitment period for the NNI Port Only Connection must be the same as the commitment period of the corresponding LAN Extension Service.
- (ii) Customer must provide connecting facility assignment (CFA) to which NNI will be cross connected in such an arrangement. The connection between a CIS and TLS must occur within the same Company wire center, except where LAN Extension Service, or Optical Network, Company provided dedicated fiber transport with network interface device or Company provided Optical Network service are used to provide the transport between a CIS and a TLS NNI Port Only Connection that are not in the same wire center.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components (Cont'd)

## (1) Ethernet TLS (Cont'd)

## (c) Network to Network Interface (NNI) Port Only Connection (Cont'd)

- (iii) Expanded Interconnection Arrangement, subject to the regulations, rates and charges for cross-connection to a physical or virtual Expanded Interconnection arrangement specified in the FairPoint Telephone Companies Tariff F.C.C. No. 1, Section 28. Customer must provide connecting facility assignment (CFA) to which NNI will be cross connected in such an arrangement. The connection between an Expanded Interconnection Arrangement and TLS must occur within the same Company wire center, except when LAN Extension Service, or Optical Network, Company provided dedicated fiber transport with network interface device or Company provided Optical Network service are used to provide the transport between an Expanded Interconnection Arrangement and a TLS NNI Port Only Connection that are not in the same wire center.
- (iv) Optical Network, subject to the regulations, rates and charges specified in the FairPoint Telephone Companies Tariff F.C.C. No. 1, Section 7, as applicable. The channel speed of the Optical Network service channel must be sufficient to accommodate the NNI Port speed. The commitment period for the NNI Port Only Connection must be the same as the commitment period of the corresponding Optical Network service.
- (v) Company provided Dedicated fiber transport with network interface device, where such access is technically and operationally feasible, as determined by the Company.
- (vi) Company provided Optical Network service, where such access is technically and operationally feasible, as determined by the Company.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components (Cont'd)

## (1) Ethernet TLS (Cont'd)

## (d) Ethernet Virtual Circuit (Ethernet TLS EVC)

Ethernet TLS EVCs, which are available in various bandwidths, provide point-to-point virtual Ethernet connectivity between two UNIs, between a UNI and an NNI, between a UNI and a National TLS EVC, or between a UNI and an IP-VPN i-VC. Ethernet TLS EVCs are only available with ERS.

The number of EVCs permitted on each ERS – Standard UNI Port With Access Line Connection and/or ERS Premier UNI Port With Access Line Connection is limited as follows:

10 Mbps	=	2 EVCs
100 Mbps=		No more than 10 EVCs
1000 Mbps	=	No more than 75 EVCs

Ethernet TLS EVCs are available with the following classes of service:

ERS Standard: This service class is available with ERS – Standard UNI Port With Access Line Connections at 10, 100 and 1000 Mbps. ERS Standard is designed for Customer applications that do not require a Committed Information Rate (CIR) or low delay, where CIR equals 0 and Excess Information Rate (EIR) equals the number of Mbps of the selected ERS Standard EVC service class.

ERS Basic (ERS-B): This service class is available with ERS – Premier UNI Port With Access Line Connections at various bandwidths between 1 Mbps and 1000 Mbps. ERS-B is designed for Customer applications that do not require a CIR or low delay, where CIR equals 0 and EIR equals the number of Mbps of the selected ERS-B EVC service class.

ERS Priority Data (ERS-PD): This service class is available with ERS – Premier UNI Port With Access Line Connections at various bandwidths between 1 Mbps and 500 Mbps. ERS-PD is designed for Customer applications which do not require low delay, but require a CIR, where the CIR equals the number of Mbps of the selected ERS-PD EVC service class and the EIR equals the number of Mbps of the selected ERS-PD EVC service class.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components (Cont'd)

## (1) Ethernet TLS (Cont'd)

## (d) Ethernet Virtual Circuit (Ethernet TLS EVC) (Cont'd)

ERS-Real Time (ERS-RT): This service class is available with ERS – Premier UNI Port With Access Line Connections at various bandwidths between 1 Mbps and 100 Mbps. ERS-RT is designed for Customer applications which require a CIR and low delay for some portion of their traffic, where the CIR equals the number of Mbps of the selected ERS-RT EVC service class and the EIR equals 0.

Each ERS EVC can include up to three service classes (ERS-B, ERS-PD and ERS-RT) as described preceding, subject to the threshold requirements specified in Section 14.2.2.(B)(1)(e) preceding. The Customer will be required to identify the Basic, PD and RT Class of Service Ethernet frames by one of the following choices: setting the VLAN Class of Service (CoS) ID (for 802.1q tagged Ethernet Frames), or setting the DiffServ Code Point (DSCP) (for tagged or untagged Ethernet frames) or setting the VLAN ID (for tagged or untagged Ethernet frames), appropriately. Company provides no performance guarantees or Credit Allowances due to performance levels defined in these Classes of Service.

## (e) Interoffice Mileage

If Customer's normal serving wire center is not equipped with TLS equipment, Customer may obtain service from a TLS equipped wire center by ordering interoffice mileage. Interoffice mileage charges will apply in addition to TLS UNI/NNI charges. The dB loss cannot exceed the maximum allowable range, as specified in Section 14.2.2.(D) following.

The Company has no obligation to notify Customer when TLS equipment is deployed in Customer's normal serving wire center or in a wire center that is closer to the Customer's normal serving wire center. Should Customer decide to initiate a move of its TLS facilities when service becomes available in its normal serving wire center or a closer serving wire center, the regulations set forth in Section 14.2.2(D) following will apply.

## (f) Domain/Ethernet TLS EVC/LAN Extension Equipment Changes

A domain change is the reassignment of Customer's computer data to different virtual LAN, at Customer's request. The change is accomplished via software changes in Company's database.

An Ethernet TLS EVC change is any change in the bandwidth of an Ethernet TLS EVC.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components (Cont'd)

## (1) Ethernet TLS (Cont'd)

## (f) Domain/Ethernet TLS EVC/LAN Extension Equipment Changes (Cont'd)

LAN extension equipment changes, other than for maintenance or repair, involve the physical replacement of Company-provided network interface on an existing TLS access line, at the same location on Customer's premises.

## (g) Optional Features

## (i) Customer Service Management (CSM)

CSM is an optional feature that provides Customers with web-based reports. The reports give the Customer the ability to extract "read-only" network traffic information, enabling them to monitor and manage their network performance. Network traffic information is not available on any EVC mapped to an NNI. CSM is provided per Customer domain.

CSM is available where conditions and facilities permit. CSM is not available with National TLS.

The Company reserves the right to temporarily interrupt CSM for maintenance, for software upgrades and in emergency situations.

## (2) National TLS

National TLS consists of two service components: National TLS Ethernet Virtual Circuit (National TLS EVC) and Company provided IP Interface.

## (a) National TLS Ethernet Virtual Circuits (National TLS EVCs)

The National TLS EVC provides a point-to-point virtual connection from Ethernet TLS into the National TLS Network where it physically connects to an IP Interface on Company's network. National TLS EVCs are available at 4, 6, 8, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 200, 300, 400, 500 and 600 Mbps and only where facilities and conditions permit.

Customer must utilize suitable Ethernet TLS access facilities to connect to the National TLS EVC on the National TLS Network. 16 Mbps Ethernet TLS may not be used to connect to the EVC on the National TLS Network.

Customer's selection for speed and/or service performance issues on the Ethernet TLS access facilities may impact the performance of National TLS. The associated regulations, rates and charges for Ethernet TLS apply for such access facilities.

# Service availability limited. Refer to # footnote on Page 14-62.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components (Cont'd)

## (2) National TLS (Cont'd)

(b) IP Interface

An IP Interface is an Internet Protocol service consisting of a port on a LATA Core Router that provides an interface to the Company's IP network. The IP Interface is available subject to technical specifications and operational feasibility, as determined by the Company.

# Service availability limited. Refer to # footnote on Page 14-62.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(B) Service Components (Cont'd)

National TLS EVCs are offered in the following LATAs. To determine what points are within a specific LATA, refer to the Local Exchange Routing Guide (LERG).

<u>State</u>	<u>LATA</u>
--------------	-------------

Reserved for Future Use

Subject to general regulations contained in Section 14.1 preceding, National TLS will be provided seven days a week, 24 hours a day, with the following exception specified in 14.2.2(D)(7) following.

(C) Technical Specifications

The technical specifications for Ethernet TLS are delineated in IEEE802.3-2002 and IEEE802.1Q.

# Service availability limited. Refer to # footnote on Page 14-62.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(D) Terms and Conditions

- (1) A typical Ethernet TLS network will be limited to wire centers in a specific geographic location. Customers gain access to the shared Ethernet TLS network via TLS equipment deployed in Customer's serving wire center.
- (2) Ethernet TLS provided with a UNI is available to Customers whose serving wire center is equipped with TLS equipment and whose location is within the maximum allowable range of the serving central office. The maximum allowable range is determined by the dB loss rate so the actual distance between the TLS equipped serving wire center and the Customer's location may vary due to the facility used in each serving arrangement. The maximum dB loss cannot exceed 20dB @1310nm for 10 Mbps service, 26dB @1310nm for 100 Mbps service, 9.5db @1330nm for 1000 Mbps or 22dB @1550nm for 1000 Mbps.
- (3) Ethernet TLS includes:

	<u>When Provided With</u>	
	<u>UNI Interface</u>	<u>NNI Interface</u>
Network Interface Device (NID) at Customer's Premises to terminate the fiber pair.	X	
Dedicated fiber pair from Customer's premises to the serving wire center.	X	
Network management including fault monitoring and diagnostics, performance and network configuration applications, and manual monitoring when necessary.	X	X
A dedicated port on the node/switch.	X	X
One or more Ethernet TLS EVCs (ERS service type only)	X	X
TLS Interoffice mileage, where Applicable*.	X	
Optional features, if applicable.	X	X

\* TLS interoffice mileage will not apply for Ethernet TLS provided with an NNI interface. However, when LAN Extension Service, or Optical Network, Company provided dedicated fiber transport with network interface device or Company provided Optical Network service are used to access NNI as specified in 14.2.2(B)(1)(c) preceding, channel mileage under those services will apply.

# Service availability limited. Refer to # footnote on Page 14-62.

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## ACCESS SERVICE

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## (4) Availability of Service

Subject to general regulations contained in Section 2 preceding, Ethernet TLS will be provided seven days a week, 24 hours a day, from wire centers equipped to provide this service with the exception specified in 14.2.2(D)(7) following. TLS is available where facilities and conditions permit. Special construction charges may apply.

## (5) Ethernet TLS Connections

- (a) The network interface is the LAN interface on the TLS equipment at Customer's premises. Customer is responsible for any inside wire required in connecting the LAN to the TLS equipment.
- (b) Customer is responsible for installation, operation, and maintenance of any Customer-provided equipment.
- (c) The Company has the service responsibility up to and including the network interface.

## (6) Limitations

Customer's location must be within the maximum allowable range of the Ethernet TLS equipped wire center.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(D) Terms and Conditions (Cont'd)

## (7) Maintenance Window

To meet Ethernet TLS Customers' requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally these upgrades will be performed between the hours of 11 p.m. and 8 a.m. Network upgrades are planned to provide Customer with reasonable and timely notification in order to minimize any impact on Customer's service.

To meet National TLS Customers' requirements, Company performs occasional network upgrades as needed to provide the service and enhancements to the service. Generally, these upgrades will be performed between the hours of 2:00 AM and 6:00 AM on Tuesdays and Thursdays. Company cannot guarantee availability of EVCs during such periods that maintenance and network upgrades are being performed.

However, Company reserves the right to perform maintenance at any time, at its discretion, when it believes such unscheduled maintenance is necessary to maintain network performance. Company will make reasonable effort to provide notice to those Customers likely to be affected by such maintenance work.

## (8) Transmission Mode for Ethernet TLS

The transmission mode supported is dependent on the access rate. The supported transmission mode for 16 Mbps access is half-duplex. The supported transmission mode for 10 Mbps, 100 Mbps and 1000 Mbps access is full duplex.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(E) Application of Rates

The following rate elements are applicable to TLS:

Ethernet TLS

- UNI Port with Access Line Connection
  - EMS - Standard UNI Port With Access Line Connection
  - ERS - Standard UNI Port With Access Line Connection
  - EMS - Real Time UNI Port With Access Line Connection
  - ERS - Premier UNI Port With Access Line Connection
- NNI Port Only Connection
- Ethernet Virtual Circuit (Ethernet TLS EVC)
  - ERS EVC Setup
  - ERS EVC Standard
  - ERS EVC Bandwidth (Basic, Priority Data and Real Time)
- Interoffice Mileage
- Domain/Ethernet TLS EVC/LAN Extension Equipment Changes
- Optional Features
  - Customer Service Management (CSM)

National TLS

- National TLS Ethernet Virtual Circuit (National TLS EVC)
- National TLS Administrative Change Charge
- National TLS EVC Expedite Charge

## (1) UNI Port with Access Line Connection

A monthly rate applies on a per-line basis and is differentiated by the speed of the access connection (i.e., 10, 100 or 1000 Mbps). The UNI Port with Access Line Connection is offered on a month-to-month basis or as a 3 Year or 5 Year Term Plan. A nonrecurring charge applies to the installation of the UNI Port with Access Line Connection as specified in (F) following.

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## (2) NNI Port Only Connection

A monthly rate applies on a per port connection basis. The NNI Port Only Connection is offered on a 3 Year or 5 Year Term Plan. A nonrecurring charge applies to the installation of the NNI Port Only Connection.

## (3) Ethernet Virtual Circuit (Ethernet TLS EVC)

For Customers who order the ERS EVC - Standard, a monthly rate and a nonrecurring charge applies on a per ERS EVC – Standard (ERS EVC-Std) basis and varies by the bandwidth selected. The EVC bandwidth must be equal to the lower speed bandwidth of the two end points it is connecting.

For Customers who order the ERS-B, ERS-PD, or ERS-RT EVC, a monthly rate applies, per Class of Service, on a per EVC basis, and varies by the bandwidth selected. A nonrecurring Setup Charge applies per ERS EVC. A Customer may have more than one Class of Service on the EVC, but only one EVC Setup Charge applies.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(E) Application of Rates (Cont'd)

## (4) Interoffice Mileage

The Interoffice Mileage charge is applied on a per line, per mile basis. The Per Mile charge is multiplied by the distance between the Customer's serving central office and the nearest TLS equipped central office. The mileage measurement is calculated as specified by NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4. Interoffice Mileage monthly charges apply in addition to the applicable rates and charges for the TLS UNI.

## (5) Domain/Ethernet TLS EVC/LAN Extension Equipment Changes

Customer requests for changes in domains, changes in bandwidth of Ethernet TLS EVCs or replacement of LAN extension equipment will be charged a nonrecurring charge per location, per change.

## (6) Optional Features

## (a) Customer Service Management (CSM)

A monthly rate and a nonrecurring charge apply for each CSM arrangement. The Customer will be charged on a per domain basis. The nonrecurring charge applies in addition to all other applicable service charges.

## (7) National TLS Ethernet Virtual Circuit (National TLS EVC)

A monthly rate applies on a per National TLS EVC basis and is differentiated by the speed of the connection. The National TLS EVC is offered under 1 Year, 2 Year or 3 Year Term Plans. A nonrecurring charge applies to the installation of a National TLS EVC provided under a 1 Year Term Plan.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(E) Application of Rates (Cont'd)

## (8) National TLS Administrative Change Charge

A nonrecurring National TLS Administrative Change Charge applies in the following circumstances:

- When a Customer requests a later provisioning due date
- When a Customer an order which is already in progress
- When a Customer upgrades service in accordance with 14.2.2(E)(13)(d)(ii) following
- When a National TLS EVC is remapped at a Customer's request, except when such remapping is required as a result of the disconnection of an IP Interface.

One National TLS Administrative Change Charge shall apply per order.

## (9) National TLS EVC Expedite Charge

Company offers an expedite capability on National TLS EVCs but does not guarantee that every request will be accepted or expedited per the requested time. When requested by Customer, the National TLS EVC Expedite Charge will apply, on a per National TLS EVC basis, when Company meets an interval shorter than the standard interval.

## (10) Minimum Period

The minimum period for Ethernet TLS under the month-to-month plan is nine months. The minimum period for National TLS is twelve months. The regulations applicable to TLS provided under a Term Payment Plan are specified in (12) following.

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## (11). Moves, Changes, and Upgrades

When Customer requests a move or relocation of the Ethernet TLS access line to a different address and/or different building, the move or relocation will be treated as a termination of the existing service and the establishment of a new service for the application of all charges.

When the Customer requests an upgrade in UNI/NNI speed (10 Mbps to 100 Mbps) or change in service type (EMS to ERS), at an existing address, the upgrade in UNI/NNI speed or change in service type will be treated as a termination of the existing service and the establishment of a new service for the application of all charges.

Early termination charges may be waived under the conditions specified in 14.2.2(E)(13)(d) following.

## (12) Term Payment Plan

The TLS UNI Port With Access Line Connection, NNI Port Only Connection and National TLS EVC are offered under the Term Payment Plans specified in (F) following.

## End of Term Options

Prior to the end of the term commitment period, the Customer may select one of the following options, to be effective at the end of the term:

- Renew for the same commitment period;
- Commit to a new term period of shorter or longer duration;
- Arrange for a change of service; or
- Discontinue service.

In the event Customer does not select one of the above options, Customer will be converted to the shortest-term period available under tariff (i.e., month-to-month, etc) for the same service, and will be subject to the applicable term commitment, if any, unless the Customer terminates service within sixty (60) days of the conversion date.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(E) Application of Rates (Cont'd)

## (13) Termination Liability

- (a) In the event service is terminated by Customer prior to completion of the current term commitment period, Customer shall be liable for an early termination charge, except as noted in (b), (c) or (d) following.

Termination Liability for Ethernet TLS:

Termination liability will be 25% of the monthly recurring charge(s) (MRC) for Ethernet TLS for the remainder of the term. For customers who entered into term plans prior to December 19, 2003, when there is a term plan less than the actual time the term plan has been in effect, the termination liability charge will be the lesser of:

- (i) the difference between the discounted monthly rates resulting from the highest term plan commitment period that could be satisfied prior to the disconnection and the discounted monthly rates resulting from the term plan multiplied by the actual number of months the service has been in effect; or
- (ii) 25% of the monthly recurring charge(s) (MRC) for the remainder of the term.  
For example:

$$25\% \times \text{MRC} \times \# \text{ of Lines/Channels/Paths} \times \text{Remainder of Term} \\ = \text{Termination Charge}$$

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service<sup>#</sup> (Cont'd)(E) Application of Rates (Cont'd)(13) Termination Liability (Cont'd)Termination Liability for National TLS:

Termination liability applies to National TLS EVC service components when National TLS is disconnected after the minimum period but prior to the expiration of the term plan.

Termination liability regulations applicable to National TLS EVC service components are set forth as follows:

For disconnects prior to the expiration of a one-year term plan, termination liability is equal to the minimum period obligation, or 100% of the applicable MRCs for the unexpired portion of the plan.

For disconnects within the first twelve months of a two- or three- year term plan, the termination liability charge is equal to 100% of the applicable MRCs for the unexpired portion of the first twelve months and 50% of the applicable MRCs for the remainder of the plan.

For disconnects after the first twelve months of a two- or three-year term plan, the termination liability charge is equal to 50% of the applicable MRCs for the remainder of the plan.

<sup>#</sup> Service availability limited. Refer to <sup>#</sup> footnote on Page 14-62.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(E) Application of Rates (Cont'd)

## (13) Termination Liability (Cont'd)

- (b) Early termination charges will apply only to those rate elements under a term commitment period. For Customers who entered into term plans prior to August 13, 2003, if rates increase during the term, Customer may discontinue services without liability. For all other Customers, if any rates for the service are increased during the term period, exclusive of any increase due to local, state, or federal fees, taxes, or surcharges, the Customer may terminate the service without incurring an early termination charge.
- (c) Early termination charges for Ethernet TLS will not be assessed under the following circumstances:
  - (i) The customer moves its existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term.
  - (ii) The Customer attempts to move the existing service to a new location within the Company's service area, but the service is unavailable;
  - (iii) The Customer converts to a new term commitment plan for the same service before the current term commitment expires, and the dollar value of the new term commitment is equal to or greater than the remaining dollar value of the current term commitment; or
  - (iv) The Customer changes to another service or upgrades service to a higher speed or capacity under a term commitment, provided the following conditions are met:
    - 1. The dollar value of the new term commitment is equal to or greater than the remaining dollar value of the current term commitment,
    - 2. Both the existing and new services are provided solely by the Company; and
    - 3. The order to discontinue the existing service and the order for the new or upgraded service are received by the Company at the same time.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)(E) Application of Rates (Cont'd)

## (13) Termination Liability (Cont'd)

- (d) Early termination charges for National TLS will not be assessed under the following circumstances:
  - (i) Customer subscribes to a new term commitment for the same service before the term plan expires, and the aggregate amount of all MRCs included under the new term plan is equal to or greater than the aggregate amount of the MRCs remaining under the expiring term plan. A National TLS Administrative Change Charge will apply if there is no nonrecurring charge associated with the new term plan.
  - (ii) Customer upgrades National TLS EVC service components under a term plan to a higher speed provided that each of the following conditions are met. A National TLS Administrative Change Charge will apply if there is no nonrecurring charge associated with the new term plan.
    - The aggregate amount of all MRCs included under the term plan for the upgraded service components is equal to or greater than the aggregate amount of the MRCs remaining for the existing service components;
    - Both the existing and the upgraded service components are provided solely by Company; and
    - The order to discontinue the existing National TLS EVC service components and the order for the upgraded service components are received by Company at the same time on the same order.
  - (iii) In the event Company initiates a rate increase, exclusive of any increase due to local, state or federal fees, taxes or surcharges, and the total discounted monthly rates increase by 8% or more, Customer may cancel its term plan for the affected service without termination liability. Customer must exercise its option to cancel the term plan for the affected service within 30 days of the date of the effective rate increase. Company will notify Customer in writing before any rate increase is filed in the tariff, and such notification will apprise Customer of its options.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)

## (F) Rates and Charges

Jurisdiction: Maine, New Hampshire, and Vermont.

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
(1) EMS or ERS – Standard UNI Port With Access Line Connection, per line		
(a) Month to Month Plan		
10 Mbps	\$1,300.00	\$1,200.00
100 Mbps	1,300.00	2,400.00
1000 Mbps	1,300.00	4,000.00
(b) Three Year Plan		
10 Mbps	N/A	1,000.00
100 Mbps	N/A	2,000.00
1000 Mbps	N/A	3,500.00
(c) Five Year Plan		
10 Mbps	N/A	900.00
100 Mbps	N/A	1,800.00
1000 Mbps	N/A	3,200.00
(2) EMS - Real Time UNI Port With Access Line Connection, per line		
(a) Month to Month Plan		
100 Mbps	1,300.00	2,500.00
1000 Mbps	1,300.00	4,500.00
(b) Three Year Plan		
100 Mbps	N/A	2,100.00
1000 Mbps	N/A	4,000.00
(c) Five Year Plan		
100 Mbps	N/A	1,900.00
1000 Mbps	N/A	3,700.00

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)

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

Jurisdiction: Maine, New Hampshire, and Vermont.

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
(3) ERS - Premier UNI Port With Access Line Connection, per line		
(a) Month to Month Plan		
100 Mbps	\$1,300.00	\$1,200.00
1000 Mbps	1,300.00	2,400.00
(b) Three Year Plan		
100 Mbps	N/A	1,000.00
1000 Mbps	N/A	2,000.00
(c) Five Year Plan		
100 Mbps	N/A	900.00
1000 Mbps	N/A	1,800.00
(4) NNI Port Only, EMS or ERS, per port		
(a) Three Year Plan		
1000 Mbps	N/A	3,700.00
(b) Five Year Plan		
1000 Mbps	N/A	3,500.00
(c) NNI Port Only Installation per port	1,300.00	N/A
(5) Ethernet TLS EVC		
(a) ERS EVC Standard (ERS-Std), Per EVC		
10 Mbps	200.00	50.00
100 Mbps	200.00	100.00
1000 Mbps	200.00	200.00

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)

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

Jurisdiction: Maine, New Hampshire, and Vermont.

## (5) Ethernet TLS EVC (Cont'd)

	Nonrecurring <u>Charge</u>	Monthly <u>Rate</u>
(b) ERS EVC Bandwidth, per Class of Service, per EVC		
Basic (ERS-B) Class of Service		
1 Mbps	N/A	\$ 15.00
2 Mbps	N/A	30.00
3 Mbps	N/A	45.00
4 Mbps	N/A	60.00
5 Mbps	N/A	75.00
6 Mbps	N/A	90.00
7 Mbps	N/A	105.00
8 Mbps	N/A	120.00
9 Mbps	N/A	135.00
10 Mbps	N/A	150.00
20 Mbps	N/A	300.00
30 Mbps	N/A	450.00
40 Mbps	N/A	600.00
50 Mbps	N/A	750.00
60 Mbps	N/A	850.00
70 Mbps	N/A	950.00
80 Mbps	N/A	1,050.00
90 Mbps	N/A	1,150.00
100 Mbps	N/A	1,250.00
200 Mbps	N/A	1,350.00
300 Mbps	N/A	1,450.00
400 Mbps	N/A	1,550.00
500 Mbps	N/A	1,650.00
600 Mbps	N/A	1,740.00
700 Mbps	N/A	1,830.00
800 Mbps	N/A	1,920.00
900 Mbps	N/A	2,010.00
1000 Mbps	N/A	2,100.00

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)

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

Jurisdiction: Maine, New Hampshire, and Vermont.

## (5) Ethernet TLS EVC (Cont'd)

	Nonrecurring <u>Charge</u>	Monthly <u>Rate</u>
(b) ERS EVC Bandwidth, per Class of Service, per EVC (Cont'd)		
Priority Data (ERS-PD) Class of Service		
1 Mbps	N/A	\$ 40.00
2 Mbps	N/A	80.00
3 Mbps	N/A	120.00
4 Mbps	N/A	160.00
5 Mbps	N/A	200.00
6 Mbps	N/A	220.00
7 Mbps	N/A	240.00
8 Mbps	N/A	260.00
9 Mbps	N/A	280.00
10 Mbps	N/A	300.00
20 Mbps	N/A	600.00
30 Mbps	N/A	900.00
40 Mbps	N/A	1,200.00
50 Mbps	N/A	1,500.00
60 Mbps	N/A	1,720.00
70 Mbps	N/A	1,940.00
80 Mbps	N/A	2,100.00
90 Mbps	N/A	2,300.00
100 Mbps	N/A	2,500.00
200 Mbps	N/A	2,700.00
300 Mbps	N/A	2,900.00
400 Mbps	N/A	3,100.00
500 Mbps	N/A	3,300.00

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.2 TransConnect LAN Service# (Cont'd)

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

Jurisdiction: Maine, New Hampshire, and Vermont.

## (5) Ethernet TLS EVC (Cont'd)

	Nonrecurring Charge	Monthly Rate
(b) ERS EVC Bandwidth, per Class of Service, per EVC (Cont'd)		
Real Time (ERS-RT) Class of Service		
1 Mbps	N/A	\$ 120.00
2 Mbps	N/A	240.00
3 Mbps	N/A	360.00
4 Mbps	N/A	480.00
5 Mbps	N/A	600.00
6 Mbps	N/A	660.00
7 Mbps	N/A	720.00
8 Mbps	N/A	780.00
9 Mbps	N/A	840.00
10 Mbps	N/A	900.00
20 Mbps	N/A	1,175.00
30 Mbps	N/A	1,450.00
40 Mbps	N/A	1,725.00
50 Mbps	N/A	2,000.00
60 Mbps	N/A	2,200.00
70 Mbps	N/A	2,400.00
80 Mbps	N/A	2,600.00
90 Mbps	N/A	2,800.00
100 Mbps	N/A	3,000.00
(c) ERS EVC Bandwidth, Setup Charge for ERS Premier UNI Port With Access Line Connection or NNI Port Only Connection, per EVC	\$200.00	N/A
(6) Interoffice Mileage, per line Per Mile	N/A	100.00
(7) Domain/Ethernet TLS EVC/ LAN Extension Equipment Changes	400.00	N/A
(8) Customer Service Management, per Customer, Per Domain	350.00	150.00

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service #(A) General

Enterprise Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) is a Grandfathered telecommunications transport and switching service (formerly known as NYNEX Enterprise ATM CRS) that provides for high-speed transport of fast packet, ATM cell traffic between existing Customers'-designated locations. As such, it is not available to new Customers. Enterprise ATM CRS consists of User Network Interfaces (UNIs) which provide dedicated transport between each Customer designated premises and a Company ATM CRS device located in a Company wire center which has been designated as an ATM CRS Hub. Each UNI is provided with a network address which allows for creation of a logical channel. By associating the network addresses of two different logical channels, a software defined path is created between Customer designated premises involved. At the option of Customer, additional logical channels may be established on the same UNI.

UNIs and logical channels are further described in 14.2.3(G) following.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)(A) General (Cont'd)

Customer must provide the necessary premises equipment or ATM device capable of interfacing with Company's ATM device in the ATM CRS Hub. Customer provided equipment or ATM device must conform to the technical specifications set forth in 14.2.3(H) following.

Enterprise ATM CRS is supported by Company's Single Point of Contact (SPOC) center which provides continuous support for ATM CRS 24 hours per day, seven days per week (24x7) with the ability to manage all of Customer's ATM CRS services as a single network. The SPOC performs maintenance, trouble resolution and network management functions on a 24x7 basis. Service order processing and network installation functions are performed during normal business hours only.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (B) Enterprise ATM Cell Relay Service#

All Enterprise ATM CRS (existing tariff structure) Customers, whose total monthly recurring charges are greater than the total monthly charges for similar functions offered in the new ATM CRS tariff, may convert all of their existing services to those offered in the new tariff prior to February 9, 2000, without termination liability.

The following applies to those Customers whose total monthly recurring charges under the existing (Enterprise ATM CRS) tariff structure are less than the monthly recurring charges for similar functions in the new tariff service as of November 11, 1999:

- Existing Customers may convert to the new tariff service on a per UNI basis at any time without incurring a termination liability under the existing tariff structure.
- Existing Customers may continue with their current service under the existing tariff structure until May 11, 2001 or for the remaining period of their existing Service Discount Plan, whichever is longer.
- Existing Customers may add, delete, or alter logical channels as long as the UNIs remain in service.

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## (B) Enterprise ATM Cell Relay Service# (Cont'd)

- Existing Customers may order additional DS1 UNIs and ATM CRS IntelliBeam Dedicated SONET Ring (IDSR) DS1 UNIs under the existing tariff structure until May 11, 2001. The only Service Discount Plan permitted for these additional UNIs under the existing tariff structure will be 36 months.
- Existing Customers may order additional DS3, OC3c and ATM CRS IDSR DS3 UNIs under the existing tariff structure until May 11, 2001. The only Service Discount Plan permitted for these additional UNIs under the existing tariff structure will be 36 months. The bandwidth associated with such UNIs must be ordered from the new tariff service.

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## (B) Enterprise ATM Cell Relay Service# (Cont'd)

- Existing Customers who wish to add features from the new tariff service to existing UNIs may do so until May 11, 2001 or prior to the expiration of their Service Discount Plan, whichever is the later, under the following terms:

Any DS3, OC3c or ATM CRS IDSR DS3 UNIs under the existing tariff structure may be converted by replacing the logical channels in the existing tariff structure with the optional features available in the new tariff service. This conversion must include all logical channels on the UNI. Under this arrangement, the UNI rates will be billed under the existing tariff structure, and the optional features will be billed under the new tariff structure.

Any existing DS1 or ATM CRS IDSR DS1 UNIs may be converted to the new ATM CRS tariff service.

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14. Communications Services (Cont'd)

14.2 Description of Data Services and Rates (Cont'd)

14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

(C) Cancellation of an Order for Service

Provisions for the cancellation of an Order are set forth in 14.2.1.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (D) Credit Allowance for Service Interruptions

## (1) When a Credit Allowance Applies

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

For Enterprise ATM CRS, no credit shall be allowed for an interruption of less than 30 minutes. Customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof, i.e., over 15 minutes, that the interruption continues.

The monthly charges used to determine the credit shall be as follows.

For Enterprise ATM CRS, the monthly charge shall be the total of all monthly rate element charges associated with the respective services (i.e., ATM UNIs, logical channels, IDSR ports, IISP interfaces, and bandwidth).

## (E) Discount Plans

Service Discount Plans are applicable to Enterprise ATM CRS.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (F) Discount Plan Regulations

## (1) Service Discount Plan

## (a) Description

A Grandfathered Service Discount Plan for existing Customers only applies to Enterprise ATM CRS Standard UNIs, ATM CRS IDSR UNIs and logical channel monthly rates as set forth in Section 14.2.3(K) following.

The amount of the discount percentage differs based on the length of the commitment period selected by Customer and the type of service. Customer must specify the number of months selected as the commitment period for its Service Discount Plan.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (F) Discount Plan Regulations (Cont'd)

## (1) Service Discount Plan (Cont'd)

## (a) Description (Cont'd)

The discount percentage is applied to the currently effective monthly or base rates. Such rates may change during the commitment period, thereby causing an increase or decrease in the rates applicable to the customer.

In the event that Company initiates rate increases to Enterprise ATM CRS as described in 14.2.3(B), Customer may cancel its Service Discount Plan on such service without termination liability as set forth in (3) following.

The discount percentage will not be subject to Company initiated decreases during that period. However, if Company initiates an increase in the discount percentage during that period, that increased discount will be used to determine the rates applicable to Customer.

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## (F) Discount Plan Regulations (Cont'd)

## (1) Service Discount Plan (Cont'd)

## (b) Discounts

## Enterprise ATM CRS

- Standard UNIs, ATM CRS IDSR UNIs and logical channels

36 months - 47 months	10%
48 months - 59 months	15%
60 months - 71 months	30%
84 months - 95 months	30%

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (F) Discount Plan Regulations (Cont'd)

## (1) Service Discount Plan (Cont'd)

## (c) Termination Liability

## (i) General

The Termination Liability charge for Enterprise ATM CRS is calculated for the applicable Channel Termination, ATM CRS UNI, IDSR ATM UNI, Dedicated Channel Mileage, monthly rates as set forth in (i) or (ii) following. When calculating Termination Liability charges, Company will apply the option which provides Customer with the lowest Termination Liability charge.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (F) Discount Plan Regulations (Cont'd)

## (1) Service Discount Plan (Cont'd)

## (c) Termination Liability (Cont'd)

## (1) General (Cont'd)

## Option 1

For disconnects on or prior to the end of the minimum period and prior to the end of the selected commitment period, the Termination Liability charge is 50% of the applicable monthly rates for each month and fraction thereof remaining between the end of the minimum period and the end of the selected commitment period.

For disconnects after the end of the minimum period but prior to the end of the selected commitment period and for cancellations prior to the end of the selected commitment period, the Termination Liability charge is 50% of the applicable monthly rates for each month and fraction thereof in the balance of the selected commitment period.

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## (F) Discount Plan Regulations (Cont'd)

## (1) Service Discount Plan (Cont'd)

## (c) Termination Liability (Cont'd)

## (i) General (Cont'd)

## Option 2

For disconnects on or prior to the end of the minimum period and prior to the end of the selected commitment period, the Termination Liability charge will be the difference between the full monthly rates and the discounted monthly rates for the period the service has been in effect.

For disconnects after the end of the minimum period but prior to the end of the selected commitment period and for cancellations of the Service Discount Plan prior to the end of the selected commitment period the following applies.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (F) Discount Plan Regulations (Cont'd)

## (1) Service Discount Plan (Cont'd)

## (c) Termination Liability (Cont'd)

## (i) General (Cont'd)

## Option 2 (Cont'd)

Where there is no Service Discount Plan commitment period less than the actual time the services have been in effect, the Termination Liability charge will be the difference between the full monthly rates and the discounted monthly rates for the period the service has been in effect. Where there is a Service Discount Plan commitment period less than the actual time the services have been in effect, the Termination Liability will be calculated as the difference between the monthly rates for the highest service Discount Plan commitment period that could have been satisfied prior to the disconnection of the service or cancellation of the plan and the monthly rates for the selected commitment period multiplied by the actual number of months the service has been in effect. For example, if Customer has a 48 month commitment period and disconnects after 40 months and five days, the highest Service Discount Plan commitment period that could have been satisfied is 36 months. To determine the Termination Liability charge, the monthly rate for the 48 month plan is subtracted from the monthly rate for the 36 month plan and the difference is multiplied by the forty months that the service had been in effect.

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## (F) Discount Plan Regulations (Cont'd)

## (1) Service Discount Plan (Cont'd)

## (c) Termination Liability (Cont'd)

The Termination Liability set forth above will be waived under the following conditions:

## (ii) Upgrades

Upgrades include the following types of Customer requests:

- A request to disconnect some or all of its Special Access Services provided with Frame Relay Service (FRS) or its FRS Access Connections in order to replace them with Enterprise ATM CRS or ATM CRS.
- A request to disconnect an Enterprise ATM CRS DS1 UNI and its associated ATM CRS logical channel(s) in order to replace it with a Enterprise ATM CRS DS3 or OC-3c UNI and its associated ATM CRS logical channel(s).
- A request to disconnect an Enterprise ATM CRS DS3 UNI and its associated ATM CRS logical channel(s) in order to replace it with a Enterprise ATM CRS OC-3c UNI and its associated ATM CRS logical channel(s).

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (F) Discount Plan Regulations (Cont'd)

## (1) Service Discount Plan (Cont'd)

## (c) Termination Liability (Cont'd)

## (iii) Cancellations

Customer may cancel a Service Discount Plan for a service if the discounted portion of the monthly rate for the service increases by more than eight percent during the tariff effective year due to Company initiated rate increases. No Termination Liability charge will apply to such cancellation.

An Enterprise ATM CRS Customer may also cancel a Service Discount Plan since they cannot expand their network without using the new tariff service (ATM CRS) rate structure for any new locations. No Termination Liability charge will apply to such cancellations.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (G) Service Components

## (1) User Network Interface (UNIs)

A UNI provides dedicated transport between Customer designated premises and an ATM CRS Hub. When Customer designated premises is part of a IDSR, a DS1 or DS3 UNI may be provided as an extension from Company, IDSR CO Node (Add/drop multiplexer located in a Company wire center) for connection to an ATM CRS Hub located in the same wire center as the IDSR CO Node. The use of IDSR Extensions with Enterprise ATM CRS is Grandfathered only for existing Customers of Enterprise ATM CRS.

UNIs are provided at data rates of 1.544 Mbps (DS1), 44.736 Mbps (DS3) or 155.52 Mbps (OC-3c). OC-3c is provided as a concatenated signal in STS-3c signal format. The actual throughput into CRS is less than the line rate for the UNI provided. Customer must specify a channel interface code for termination of the UNI at its Customer designated premises. Channel interface codes for the DS1, DS3 and OC-3c UNIs are specified in Section 14.2.3(I) following.

The rates and charges for a UNI are differentiated by the capacity of the UNI (e.g. DS3), the location where the UNI originates (i.e., customer designate premises or IDSR CO Node) and, when applicable, the airline mileage (expressed as a mileage band) associated with extending the UNI to the wire center designated as the ATM CRS Hub.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (G) Service Components (Cont'd)

## (1) User Network Interface (UNIs) (Cont'd)

Locations (wire centers) that provide ATM CRS have been designated as ATM CRS Hubs. When ordering, Customer will specify the desired ATM CRS Hub selected from the NATIONAL EXCHANGE CARRIER ASSOCIATION INC. TARIFF F.C.C. NO. 4.

UNIs are shown in Section 14.2.3(K) in terms of mileage bands. There are two rates that apply per band, i.e., a fixed rate per band and a rate per mile. The mileage used to determine the mileage band is calculated on the airline distance between the locations involved. Specifically, mileage is calculated on the airline distance between the serving wire center associated with a customer designated premises and the ATM CRS Hub using industry standard vertical (V) and horizontal (H) coordinates and the following formula:

$$\sqrt{\frac{(V_1 V_2)^2 + (H_1 H_2)^2}{10}}$$

When the UNI originates at a IDSR CO Node, mileage bands are not applicable since these UNIs may only connect to an ATM CRS Hub located in the same wire center as the IDSR CO Node. The serving wire center associated with Customer designated premises is the wire center from which Customer designated premises would normally obtain dial tone.

To determine the rate to be billed for the UNI, first find the type of UNI selected as specified in Section 14.2.3(K) following and, if applicable, apply the rates for the mileage band determined in the calculation above.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (G) Service Components (Cont'd)

## (2) Logical Channels

ATM Logical Channels, which are available with all types of UNIs, allow for creation of PVCs between Customer defined locations. PVCs are virtual paths over which ATM cells are carried by ATM CRS. Each ATM cell carries a unique tag which identifies that ATM cell as belonging to a particular PVC. A PVC is a Logical Channel connecting two or more Customer designated premises with virtual connections through a Company provided ATM device(s). The PVCs may be provided on a point-to point or point-to-multipoint basis. When a PVC is provided as a point-to point virtual connection, transmission is bi-directional allowing for ATM cells to be transmitted or received over the same PVC. For point-to-multipoint virtual connections, transmission is provided as transmit only.

The monthly rate that applies for a Logical Channel is based on the effective bandwidth and class of service of the Logical Channel as set forth in (C) following and applies as a rate per 64 Kbps (when the effective bandwidth is equal to, or less than 1,536 Kbps) or a rate per megabit (when the effective bandwidth is greater than 1,536 Kbps (1.536 Mbps).

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (G) Service Components (Cont'd)

## (2) Logical Channels (Cont'd)

Nonrecurring charges do not apply when ATM Logical Channels are ordered in conjunction with the initial installation of the associated UNI. A nonrecurring charge does apply, as set forth in Section 14.2.3(K)(3) following, on a per request per UNI basis, when ATM Logical Channels are added subsequent to the initial installation of the associated UNI.

Logical Channels may be provided as either ATM Virtual Channel Connections or ATM Virtual Path Connections. Both types of connections are described following.

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## (G) Service Components (Cont'd)

## (2) Logical Channels (Cont'd)

## (a) ATM Virtual Channel Connections

An ATM Virtual Channel is a single logical connection between ATM devices located at Customer designated premises. Customer must define a Virtual Path Identifier and a Virtual Channel Identifier which is acceptable to Company. Each ATM Virtual Channel is assigned a unique bandwidth and class of service based on Customer specified parameters. Customer must specify the effective bandwidth required and a class of service for each ATM Virtual Channel. The effective bandwidth specified by Customer is based on the Sustainable Cell Rate (SCR) and/or the Peak Cell Rate (PCR) as determined by the class of service for the Logical Channel. The sum of the effective bandwidth of the Logical Channel(s) may exceed the actual bit rate of the associated UNI (a condition known as over subscription). The rates for ATM Virtual Channel Connections for Enterprise ATM CRS are grandfathered for existing Customers only as set forth in Section 14.2.3(K). The classes of service which are available with ATM Virtual Channel connections include Constant Bit Rate (CBR), Variable Bit Rate (VBR) Standard (Standard VBR), Variable Bit Rate Priority (Priority VBR), and Unspecified Bit Rate (UBR) as described in (c) following.

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## (G) Service Components (Cont'd)

## (2) Logical Channels (Cont'd)

## (b) ATM Virtual Path Connections

An ATM Virtual Path is a collection of ATM Virtual Channels which are routed together through ATM CRS as a single unit. Customer must define a Virtual Path Identifier which is acceptable to Company for the ATM Virtual Path Connection. Customer must supply the Virtual Channel Indicator on the ATM Virtual Channels under their control. ATM Virtual Path Connections are typically used to connect Customer locations with greater bandwidth requirements. Company will establish a logical connection (i.e., virtual path) between Customer defined locations. Creation and administration of the ATM Virtual Channels within the ATM Virtual Path are the responsibility of Customer. However, the class of service assigned to the virtual channels within the virtual path must be compatible with the class of service for the virtual path.

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## (G) Service Components (Cont'd)

## (2) Logical Channels (Cont'd)

## (b) ATM Virtual Path Connections (Cont'd)

ATM Virtual Path Connections are provided with either a CBR class of service, Standard VBR or Priority VBR, or UBR class of service. Customer must specify the effective bandwidth required and class of service for each ATM Virtual Path. The effective bandwidth specified by Customer is based on the SCR and/or PCR as determined by the class of service for the Logical Channel. The sum of the effective bandwidth for the logical channel(s) may exceed the actual bit rate of the associated UNI (a condition known as oversubscription). Each class of service and the effective bandwidth for each class of service are described in (c) following.

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## (G) Service Components (Cont'd)

## (2) Logical Channels (Cont'd)

## (c) Classes of Service for ATM Logical Channels

## (i) Constant Bit Rate (CBR or Class A)

The CBR class of service provides for a steady flow of delay sensitive, user information such as video or voice. The effective bandwidth for a logical channel with the CBR class of service is equal to the PCR for the logical channel.

## (ii) Variable Bit Rate (Standard VBR)

The VBR class of service provides for a bursty, not steady, flow of data with varying bandwidth requirements (e.g., Local Area Network traffic). The effective bandwidth for a logical channel with the Standard VBR class of service is determined as follows. When the SCR is 1,536 Kbps or less, the effective bandwidth for the logical channel is equal to the SCR expressed as an increment of 64 Kbps as shown in the following table. When the SCR is greater than 1,536 Kbps (1.536 Mbps), the effective bandwidth is determined by applying the SCR and the PCR provided by Customer to an effective bandwidth table (maintained by Company) specified for SCR values over 1,536 Kbps. When applying the SCR to the table, always round up to the next highest 64 Kbps or Mbps, as applicable, if the actual SCR value is not listed in the table.

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## (G) Service Components (Cont'd)

## (2) Logical Channels (Cont'd)

## (c) Classes of Service for ATM Logical Channels (Cont'd)

## (iii) Variable Bit Rate - Priority (Priority VBR)

The Priority VBR class of service provides for bursty data traffic with varying bandwidth requirements (e.g., applications which have time sensitive delivery requirements such as video or voice). The effective bandwidth for a logical channel with the Priority VBR class of service is determined as follows. When the SCR is 1,536 Kbps or less, the effective bandwidth for the logical channel is equal to the SCR expressed as an increment of 64 Kbps. When the SCR is greater than 1,536 Kbps (1.536 Mbps), the effective bandwidth is determined by applying the SCR and the PCR provided by Customer to the effective bandwidth table (maintained by Company) specified for SCR values over 1,536 Kbps. When applying the SCR to the table, always round up to the next highest 64 Kbps or Mbps, as applicable, if the actual SCR value is not listed in the table.

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## (G) Service Components (Cont'd)

## (2) Logical Channels (Cont'd)

## (c) Classes of Service for ATM Logical Channels (Cont'd)

## (iv) Unspecified Bit Rate (UBR)

The UBR class of service provides for a bursty, not steady, flow of data with varying bandwidth requirements (e.g., Local Area Network traffic) for both Virtual Channel Connections and Virtual Path Connections. UBR is the lowest priority class of service. It carries no class of service descriptors like PCR and SCR, and has no effective bandwidth. UBR will be permitted at no additional charge for effective bandwidth up to 1,536 Kbps on a DS-1 UNI provided at least 768 Kbps of either VBR, CBR, or a combination of both is purchased. UBR will also be permitted at no additional charge for effective bandwidth over 1,536 Kbps provided at least 23 Mbps of either VBR, CBR, or a combination of both is purchased on a DS-3 UNI, or at least 75 Mbps of VBR, CBR, or a combination of both is purchased on an OC3c UNI.

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## (H) Technical Specifications

The technical specifications for ATM CRS are delineated in Technical References TR-NWT-001112, ATM UNI Specification Version 3.1, GR-1110-CORE, GR-1248-CORE, and SR-3330. The interface specifications for Customer provided ATM compatible premises equipment or devices are Grandfathered for existing Enterprise ATM CRS Customers only.

The technical specifications for IDSR are specified in BA's Tariff NO, Section 26.1.3.

The technical specifications for OC-3c signals are delineated in GR-253-CORE, Issue 2.

The technical specifications for DS1 and DS3 signals are delineated in TR-INS-000342.

The technical specifications for OC-3c signals are delineated in GR-253-CORE, Issue 2.

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## (I) Channel Interfaces

The following Channel Interfaces (CIs) are available with Enterprise ATM CRS:

<u>CI (DS1)</u>	<u>CI (DS3)</u>	<u>CI (OC3c)</u>
04DS9.1S	04DS6.44I	02STF.C
04DU9.1S		

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (J) Rate Regulations

## (1) Minimum Period

The minimum period for Enterprise ATM CRS is one year, except for ATM Logical Channels which have a minimum period of one month.

## (2) Service Discount Plans

Available Service Discount Plans and associated termination liability, when applicable, are set forth in Section 14.2.3(F) preceding.

## (3) Moves

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

- The point of termination at Customer's designated premises
- Customer's designated premises

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

## (a) Moves Within the Same Building

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

# Service availability limited.

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## (J) Rate Regulations (Cont'd)

## (3) Moves (Cont'd)

## (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 and/or Service Discount Plan requirements will be established for the new services. Customer will also remain responsible for satisfying all outstanding minimum period and/or Termination Liability charges for the discontinued service except as Grandfathered.

## (4) Special Facilities Routing

Customer may request that the facilities used to provide ATM CRS be specially routed. The regulations, rates and charges for Special Facilities Routing, where they already exist, (i.e., Enhanced Access Diversity, Alternate Serving Wire Center, Avoidance, Diversity and Cable-Only) will be applied on a Grandfathered basis.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (J) Rate Regulations (Cont'd)

## (5) Design Layout Reports

At the request of Customer, Company will provide to Customer the make-up of the facilities and services provided under this Tariff as ATM CRS to aid Customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to Customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

## (6) Acceptance Testing

At no additional charge, Company will, at Customer's request, cooperatively test, at the time of installation. Acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

## (7) Availability of Facilities

Enterprise ATM CRS is subject to the availability of suitable facilities in accordance with the regulations specified in Section 14.1.

# Service availability limited.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (K) Rates and Charges

## (1) Standard User Network Interfaces (Standard UNIs)

## (a) DS1 Standard UNI

	<u>Mileage Band</u>	<u>Monthly Rates</u>		<u>Nonrecurring Charge</u>
		<u>Fixed</u>	<u>Per Mile</u>	
Pricing Zone	0	\$675.00	None	None
	0 to 2	700.00	None	None
	2 to 5	775.00	None	None
	5 to 8	850.00	None	None
	8 to 16	960.00	None	None
	Over 16	960.00	\$23.00	None
Pricing Zone 2	0	675.00	None	None
	0 to 2	700.00	None	None
	2 to 5	775.00	None	None
	5 to 8	850.00	None	None
	8 to 16	960.00	None	None
	Over 16	960.00	23.00	None

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (K) Rates and Charges (Cont'd)

## (1) Standard User Network Interfaces (Standard UNIs) (Cont'd)

## (a) DS1 Standard UNI (Cont'd)

	<u>Mileage Band</u>	<u>Monthly Rates</u>		<u>Nonrecurring Charge</u>
		<u>Fixed</u>	<u>Per Mile</u>	
Pricing Zone 3	0	\$675.00	None	None
	0 to 2	700.00	None	None
	2 to 5	775.00	None	None
	5 to 8	850.00	None	None
	8 to 16	960.00	None	None
	Over 16	960.00	\$23.00	None

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (K) Rates and Charges (Cont'd)

## (1) Standard User Network Interfaces (Standard UNIs) (Cont'd)

## (b) DS3 Standard UNI, each

	Mileage <u>Band</u>	Monthly Rates		Nonrecurring <u>Charge</u>
		<u>Fixed</u>	<u>Per Mile</u>	
Pricing Zone 1	0	\$1600.00	None	None
	0 to 2	2200.00	None	None
	2 to 5	2800.00	None	None
	5 to 8	3600.00	None	None
	8 to 16	4900.00	None	None
	Over 16	4900.00	\$320.00	None
Pricing Zone 2	0	1600.00	None	None
	0 to 2	2200.00	None	None
	2 to 5	2800.00	None	None
	5 to 8	3600.00	None	None
	8 to 16	4900.00	None	None
	Over 16	4900.00	320.00	None

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (K) Rates and Charges (Cont'd)

## (1) Standard User Network Interfaces (Standard UNIs) (Cont'd)

## (b) DS3 Standard UNI, each (Cont'd)

	Mileage <u>Band</u>	Monthly Rates		Nonrecurring <u>Charge</u>
		<u>Fixed</u>	<u>Per Mile</u>	
Pricing Zone 3	0	\$1600.00	None	None
	0 to 2	2200.00	None	None
	2 to 5	2800.00	None	None
	5 to 8	3600.00	None	None
	8 to 16	4900.00	None	None
	Over 16	4900.00	\$320.00	None

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (K) Rates and Charges (Cont'd)

## (1) Standard User Network Interfaces (Standard UNIs) (Cont'd)

## (c) 0C-3c Standard UNI, each

	Mileage <u>Band</u>	Monthly Rates		Nonrecurring <u>Charge</u>
		<u>Fixed</u>	<u>Per Mile</u>	
Pricing Zone I	0	\$2000.00	None	None
	0 to 2	2600.00	None	None
	2 to 5	3200.00	None	None
	5 to 8	4300.00	None	None
	8 to 16	5900.00	None	None
	Over 16	5900.00	\$400.00	None
Pricing Zone 2	0	2000.00	None	None
	0 to 2	2600.00	None	None
	2 to 5	3200.00	None	None
	5 to 8	4300.00	None	None
	8 to 16	5900.00	None	None
	Over 16	5900.00	400.00	None

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (K) Rates and Charges (Cont'd)

## (1) Standard User Network Interfaces (Standard UNIs) (Cont'd)

## (c) 0C-3c Standard UNI, each (Cont'd)

	Mileage <u>Band</u>	Monthly Rates		Nonrecurring <u>Charge</u>
		<u>Fixed</u>	<u>Per Mile</u>	
Pricing Zone 3	0	\$2000.00	None	None
	0 to 2	2600.00	None	None
	2 to 5	3200.00	None	None
	5 to 8	4300.00	None	None
	8 to 16	5900.00	None	None
	Over 16	5900.00	\$400.00	None

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (K) Rates and Charges (Cont'd)

## (2) IDSR User Network Interfaces (IDSR UNIs)

## (a) ATM CRS IDSR DS1 UNI, each

<u>Mileage Band</u>	<u>Monthly Rates Fixed</u>	<u>Nonrecurring Charge</u>
Pricing Zone 1	\$500.00	None
Pricing Zone 2	500.00	None
Pricing Zone 3	500.00	None

## (b) ATM CRS IDSR DS3 UNI, each

<u>Mileage Band</u>	<u>Monthly Rates Fixed</u>	<u>Nonrecurring Charge</u>
Pricing Zone 1	\$1200.00	None
Pricing Zone 2	1200.00	None
Pricing Zone 3	1200.00	None

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (K) Rates and Charges (Cont'd)

## (3) Logical Channels\*

	Monthly Rate
Virtual Channel Connection	
(a) Effective Bandwidth up to 1,536 Kbps	
- Constant Bit Rate, per 64 Kbps	\$2.56
- Variable Bit Rate-Priority, per 64 Kbps	1.80
- Variable Bit Rate-Standard, per 64 Kbps	1.15

# Service availability limited.

\* Available with Standard UNIs and ATM CRS IDSR UNIs.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.3 Enterprise ATM Cell Relay Service # (Cont'd)

## (K) Rates and Charges (Cont'd)

## (3) Logical Channels\* (Cont'd)

## (b) Effective Bandwidth over 1,536 Kbps

	<u>Nonrecurring Charge</u>
- Constant Bit Rate, per Mbps	\$40.00
- Variable Bit Rate-Priority, per Mbps	28.00
- Variable Bit Rate-Standard, per Mbps	18.00

## (c) Nonrecurring Charge, per request, per UNI## 0.00

# Service availability limited.

\* Available with Standard UNIs and ATM CRS IDSR UNIs.

## A nonrecurring charge applies per request, per UNI. Each request may consist of one or more logical channels. Nonrecurring charges are not applicable when the logical channels are ordered in conjunction with the initial installation of the associated ATM UNI. When ordered subsequent to the initial installation of the associated ATM UNI, a nonrecurring charge applies per request, per UNI.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service#(A) General

Asynchronous Transfer Mode (ATM) Cell Relay Service (CRS) is a telecommunications transport and switching service that provides for high-speed connectivity between Customer-designated locations. ATM CRS consists of two interfaces: User Network Interface (UNI) and Interim Inter-switch Signaling Protocol (IISP). These interfaces are available in various configurations, including Port With Access Line Connection and Port Only Connection with either incremental or full bandwidth.

The UNI Port With Access Line Connection is a dedicated digital line that provides a link from Customer's premises to one of Company's ATM CRS hubs. UNIs are also provisioned as an Inverse Multiplexing ATM (IMA) Port With Access Line Connection as defined in 14.2.4(B)(1) and as a Port Only Connection as defined in 14.2.4(K)(1).

- # Except as otherwise specified for Effective Bandwidth for Incremental UNIs, effective May 9, 2007, orders for new ATM CRS are no longer permitted. The Company will continue to provide ATM CRS pursuant to this Section 14.2.4 on any existing ATM CRS that is in-service as of May 9, 2007, or any order for ATM CRS that is placed with the Company prior to May 9, 2007 (collectively, Existing ATM CRS), subject to the following condition:

For any Existing ATM CRS that is currently subscribed to a term plan (i.e., commitment periods of 1-, 2-, 3-, and 5-years), the Company will continue to provide the Existing ATM CRS for an additional six (6) months beyond the expiration date of the customer's current commitment period at the prevailing rates of the current term plan, or until the customer replaces the Existing ATM CRS with a comparable Company provided service, or discontinues service, whichever comes first. Subject to availability of facilities and equipment, moves and/or changes to the Existing ATM CRS are permitted during the term plan commitment period provided that such moves and/or changes do not require a new commitment period. Orders for additional Effective Bandwidth for Incremental UNIs, including additions and changes, are permitted during the term plan commitment period and the six (6) month extension period and will be provided on a month-to-month basis at the prevailing rate of the current term plan. No other additions, changes or moves are permitted during the six (6) month extension period.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(A) General (Cont'd)

The IISP Port With Access Line Connection, which is essentially equivalent to the UNI, provides a link from an Interexchange Carrier or another Customer's network to one of Company's ATM CRS hubs. IISPs are also provisioned as a Port Only Connection as defined in 14.2.4(K)(1).

ATM CRS is a fast-packet, cell-based technology that can support user applications requiring high-bandwidth, high-performance transport and switching. This connectivity is provided via Permanent Virtual Circuits (PVCs) and/or Switched Virtual Circuits (SVCs) that are implemented over access facilities and switches that are dedicated to high-speed telecommunications services.

UNIs, IISPs, Port Only Connections, PVCs and SVCs are further described in Section 14.2.4.(B) following.

ATM CRS may be connected to the following Company provided services, where such connections are technically and operationally feasible, as determined by the Company:

- digital subscriber line service
- point-to-point SONET service
- dedicated SONET ring service
- internet protocol virtual private network service
- frame relay service

(B) Service Components

The major components of ATM CRS are:

UNI Port With Access Line Connection  
UNI IMA Port With Access Line Connection  
IISP Port With Access Line Connection  
Port Only Connection  
Permanent Virtual Circuit (PVC)  
Switched Virtual Circuit (SVC)  
Effective Bandwidth

# Service availability limited. Refer to # footnote on Page 14-133.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(B) Service Components (Cont'd)

## (1) User Network Interface (UNI) Port With Access Line Connection

UNI Port With Access Line Connections, which are available at the DS1, DS3, OC3c and OC12c levels, provide dedicated transport between a Customer-designated premise and an ATM CRS hub. There are two types of UNIs: Full and Incremental. The Full UNI includes all available bandwidth in one rate, and the Incremental UNI is sold and provisioned with PVC and/or SVC bandwidth increments (the DS1 UNI is not offered in increments).

In order for Customer traffic to be carried on the network, each Incremental UNI requires at least one 5 Mbps or 15 Mbps increment of either PVC or SVC bandwidth. At least one PVC must also be established to use PVC bandwidth. Customer may elect to subscribe to multiple PVCs. This feature is established over the UNI via connection identifiers, which enables Customer to have virtual connections to various locations.

UNIs are provided at nominal data rates of 1.544 Mbps (DS1), 45 Mbps (DS3), 155.52 Mbps (OC3c) or 622 Mbps (OC12c). OC3c and OC12c are provided as a concatenated signal in STS-3c and STS-12c (Synchronous Transport Signal) formats, respectively. The actual throughput into CRS is less than the line rate for the UNI provided.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(B) Service Components (Cont'd)

## (1) User Network Interface (UNI) Port With Access Line Connection (Cont'd)

The rates and charges for a UNI are differentiated by the capacity of the UNI, the location where the UNI originates (i.e., customer-designated premises) and, mileage ranges (expressed as tiers) associated with extending the UNI to the wire center designated as the ATM CRS hub.

The OC3c UNI Port with Access Line Connections are provisioned on either Unprotected, Protected or Protected Diverse Synchronous Optical Network (SONET) facilities. The OC12c UNIs are provisioned on either Protected or Protected Diverse SONET facilities. SONET is a standards-based fiber optic communication network that transports both asynchronous and synchronous digital signals using the Synchronous Transport Signal (STS) format. ATM OC3c and OC12c Protected SONET UNI Port with Access Line Connections are provisioned over SONET as a survivable service with an alternate (not diverse) facility between the central office and Customer premises. OC3c and OC12c Protected Diverse UNI Port with Access Line Connections are provisioned over SONET as a survivable service with an alternate and diverse path between the ATM CRS hub and Customer premises. Unprotected SONET UNI is a type of OC3c ATM UNI that is provisioned over SONET with no alternate facility between the ATM CRS hub and the customer premises. DS3, OC3c, OC12c and other interfaces, both electrical and optical, are supported and defined to technical specifications.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(B) Service Components (Cont'd)

## (2) UNI Inverse Multiplexing ATM (IMA) Port With Access Line Connection

UNI IMA Port With Access Line Connection permits the provisioning of bandwidth greater than DS1 and less than DS3 by binding together multiple DS1 facilities. The inverse multiplexer at each end of the connection aggregates and de-aggregates multiple parallel DS1 leased lines into a single higher speed link. IMA will be offered as Full bandwidth only. Two to six DS1 facilities will be permitted in an IMA group providing nominal aggregated bandwidth from three to nine megabits per second. IMA allows for all class of service parameters up to the combined nominal line rate of the aggregated DS1s and all PVCs and/or SVCs that will fit within the bandwidth. Ordering of DS1s within an IMA group must be done in ascending order. Disconnecting DS1s within an IMA group must be done in a descending order. Customer must purchase a minimum of two IMA DS1s.

Requests to change existing UNI Port With Access Line Connections to UNI IMA Port With Access Line Connections will be treated as a disconnect and new install. Termination liability charges, as set forth in Section 14.2.4(L), may apply.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(B) Service Components (Cont'd)(3) Interim Inter-switch Signaling Protocol (IISP)  
Port With Access Line Connection

IISP Port With Access Line Connection, which is similar to the Full UNI described in (A) preceding, allows network-to-network connectivity through the use of PVCs and/or SVCs. The IISP interface specifies how a Company ATM CRS switch sends and receives data from an Interexchange Carrier's or other Customer's ATM CRS network. The IISP connection consists of a 1.544 Mbps (DS1), a 44.736 Mbps (DS3), 155.52 Mbps (OC3c) or a 622 Mbps (OC12c) digital facility from the IC's network to Company's ATM CRS switch and the appropriate port interface connection. The monthly rates for the IISP Port with Access Line Connection interfaces apply only to the Tier 1 mileage band (0 to 5 miles).

The IISP Port with Access Line Connection, like the UNI Port with Access Line Connection, includes Unprotected, Protected and Protected Diverse OC3c and Protected and Protected Diverse OC12c SONET IISPs. ATM OC3c and OC12c Protected SONET IISP connections are provisioned as a survivable service with an alternate (not diverse) facility. ATM Protected Diverse OC3c and OC12c SONET IISP connections are provisioned over SONET as a survivable service with an alternate diverse path between the local serving office and the Customer premises. Unprotected fiber is one type of OC3c ATM IISP that is provisioned using an optical fiber interface with no alternate facility. DS3, OC3c, OC12c and other interfaces, both electrical and optical, are supported and defined to the technical specifications.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(B) Service Components (Cont'd)

## (4) Port Only Connections

Port Only Connections can be established as User to Network Interface (UNI) arrangement or Interim Inter-switch Signaling Protocol (IISP). UNI and IISP Port Only Connection provides an ATM Cell Relay Network connection based on the port connection speed of DS1, DS3, OC3c and OC12c. The ATM port speed will be consistent with the channel speed of the access channel. The actual throughput of Customer traffic cannot exceed the bandwidth of the access channel and port speed.

UNI Port Only Connections are available as either Incremental or Full. IISP Port Only Connections are available as Full. This refers to the bandwidth that is required to provision PVCs on the port. Incremental ports come with no bandwidth and bandwidth is purchased in increments based on Customer bandwidth requirements. Full ports come with all bandwidth included up to the maximum rate of the port. Each port can accommodate multiple PVCs or SVCs depending on the bandwidth purchased. UNI or IISP Port Only is available on a one-year, two-year, three-year and five-year term.

Customers may access Port Only connections via Company-provided digital access facilities or via facilities provided by another carrier. When access facilities are provided by the Company, the associated regulations, rates and charges under the appropriate Company Tariff shall apply in addition to the regulations, rates and charges associated with ATM CRS. Interconnection charges to connect access line services provided by the Company or another carrier may apply and will be billed separately. Any special construction or nonstandard charges assessed by the carrier supplying the access facilities will be the responsibility of the Customer.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service<sup>#</sup> (Cont'd)(B) Service Components (Cont'd)

## (5) Permanent Virtual Circuit (PVC)

The PVC defines a virtual connection across a UNI or IISP between Customer premises and Company's ATM hub. Each UNI or IISP requires at least one PVC in order for Customer traffic to traverse the network. Each ATM cell carries a unique tag which identifies that ATM cell as belonging to a particular PVC. A PVC is a logical channel connecting two or more Customer designated premises with virtual connections through a Company provided ATM CRS switch(es). When ATM is used to access IP VPN Service, a PVC is a logical channel connecting a Customer designated premises with the IP-VPN network. The PVCs may be provided on a point-to-point or point-to-multipoint basis. When a PVC is provided as a point-to-point virtual connection, transmission is bi-directional allowing for ATM cells to be transmitted or received over the same PVC. For point-to-multipoint virtual connections, transmission is provided as transmit only. The virtual connection is set up by Company based on information contained on a service order rather than by dial-up signaling.

<sup>#</sup> Service availability limited. Refer to <sup>#</sup> footnote on Page 14-133.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(B) Service Components (Cont'd)

## (5) Permanent Virtual Circuit (PVC) (Cont'd)

PVCs consist of two types: Virtual Channel Connections (VCCs) and Virtual Path Connections (VPCs). A VCC is a type of PVC with independent identity and defined service parameters that are provisioned via service order, and cannot be altered by Customer without additional service order activity. A VPC is a type of PVC with defined service parameters that is provisioned via service order. Customers may provision their own virtual channels within the VPC, provided that the sum of the service parameters of all of the virtual channels does not exceed the aggregate service parameters of the VPC.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(B) Service Components (Cont'd)

## (6) Switched Virtual Circuit (SVC)

SVCs are similar in structure to PVCs, but SVCs are provisioned on demand by Customer premises equipment that signals the ATM cell relay network to set up and tear down logical connections. The network will respond to these requests by provisioning a virtual connection across the network based on the class of service parameters requested, provided that sufficient network resources are available to establish the connection. Each UNI or IISP that is SVC signal enabled will be provided with a SVC ICD (International Code Designator) prefix that will uniquely identify the UNI or IISP. Customer must use this Company assigned prefix when requesting SVC virtual connections across the Company Cell Relay Network. Each Constant Bit Rate (CBR) and Variable Bit Rate (VBR) SVC will be limited to a maximum Peak Cell Rate (PCR) of 20 Mbps and a maximum Sustained Cell Rate (SCR) of 20 Mbps.

Closed User Group (CUG) capability is a feature associated with SVCs. A CUG provides the ability to contain SVC calls between certain UNIs/IISPs. A CUG functionally groups UNIs/IISPs into logical associations and allows calling privileges to be specified network wide. A CUG provides a network-wide mechanism for access control. CUGs provide a logical grouping of UNIs/IISPs, creating an SVC community of interest.

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## (7) Effective Bandwidth

Effective bandwidth is the bandwidth reserved for each logical connection (PVC or SVC) that is set up across a UNI or IISP. It is based on the PCR, SCR, Maximum Burst Size, and the class of service parameters selected, i.e., CBR, VBRrt (Variable Bit Rate real time), VBRnrt (Variable Bit Rate non-real time), or UBR (Unspecified Bit Rate). The total effective bandwidth of all the logical connections on a UNI or IISP cannot exceed the total bandwidth available on the UNI or IISP. Effective bandwidth prices do not vary by class of service level selected. However, effective bandwidth is consumed in varying degrees based on the class of service parameters selected. The higher the class of service, the more bandwidth will be reserved. A CBR PVC with the same PCR as a VBR PVC will reserve more effective bandwidth.

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The technical specifications for ATM Cell Relay Service are delineated in Technical References TR-NWT-001112, GR-1110-CORE, GR-1248-CORE, and SR-3330.

The technical specifications for DS1 and DS3 signals are delineated in TR-INS-000342.

The technical specifications for OC3c and OC12c signals are delineated in GR-253-CORE, Issue 2.

The technical specifications for ATM Cell Relay Service are delineated in Technical References TR-NWT-001112, GR-1110-CORE, GR-1248-CORE, and SR-3330.

The technical specifications for DS1 and DS3 signals are delineated in TR-INS-000342.

The technical specifications for OC3c and OC12c signals are delineated in GR-253-CORE, Issue 2.

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The technical specifications for IISP interfaces are delineated in ATM Forum Interim Inter-switch Signaling Protocol, af-pnni-0026.000.

The technical specifications for UNIs are delineated in ATM Forum ATM User Network Interface Specifications V3.0, af-uni-0010.001, and V3.1, af-uni-0010.002. Interface specifications for customer provided ATM compatible premises equipment or devices must also be in accordance with the specifications defined in these documents.

(D) Provision of Service

ATM Cell Relay Service Includes:

- A. At least one UNI Port With Access Line or Port Only, two UNI IMA Port With Access Lines, or one IISP With Access Line or Port Only from an Interexchange Carrier or other customer's network to the C.O. based ATM CRS switch which has maximum nominal capacity for either DS1 (1.544Mbps), DS3 (45 Mbps), OC3c (155 Mbps) or OC12c (622 Mbps). The OC3c UNIs are provisioned over unprotected, protected or protected diverse SONET facilities. The OC12c UNIs are provisioned over protected or protected diverse SONET facilities. The protected OC3c and OC12c SONET facilities provide a backup facility that automatically switches in the event of a failure on the primary facility. The unprotected OC3c SONET facilities do not have an alternate facility.

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- (2) Unlimited usage on purchased bandwidth.
- (3) Incremental UNIs must have at least one increment of effective bandwidth (either PVC or SVC) in order for traffic to traverse the network. The DS1, DS3, OC3c and OC12c Full UNIs are equipped with the full effective bandwidth.
- (4) Either one or more PVCs. When PVC bandwidth is purchased, one or more PVCs must be selected for customer traffic to traverse the network.
- (5) Two types of PVCs, (i) Virtual Channel Connections (VCCs) and (ii) Virtual Path Connections (VPCs), which support the following Classes of Service:
  - (a) Constant Bit Rate (CBR)
  - (b) Variable Bit Rate real time (VBRrt)
  - (c) Variable Bit Rate non-real time (VBRnrt)
  - (d) Unspecified Bit Rate (UBR)

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(E) Tier Structure for Local Serving Offices

Locations (wire centers) that provide ATM CRS have been designated as ATM CRS hubs. Each local serving office has been placed in a Tier, either 1, 2 or 3, based on its location relative to the closest ATM CRS hub.

(F) Service Functionality

The basic ATM CRS functionality consists of transporting 53-byte cells of information from Customer location to a Company ATM hub over a UNI or IISP. The traffic is routed in the switch to another UNI or IISP, or other suitable network connection.

(G) Class of Service Parameters

## (1) Constant Bit Rate (CBR)

## (a) Peak/Sustained Cell Rate:

Customer specified in increments of 64 Kbps up to the maximum speed of the UNI or IISP.

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## (1) Constant Bit Rate (CBR) (Cont'd)

## (b) Non-conforming cells:

Discarded

## (c) Cell Delay Variation Tolerance (CDVT):

DS1 = 600 microseconds

DS3 = 600 microseconds

OC3c = 600 microseconds

OC12c = 600 microseconds

## (2) Variable Bit Rate (VBR) Real Time/Non-Real Time

## (a) Sustained Cell Rate (SCR):

Customer specified in increments of 64 Kbps up to the maximum speed of the UNI or IISP.

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## (2) Variable Bit Rate (VBR) Real Time/Non-Real Time (Cont'd)

## (b) Peak Cell Rate (PCR):

Customer selectable in increments of 64 Kbps up to line rate. Default is 200% of SCR for PVCs. (The ratio of PCR to SCR will be signaled by CPE for SVCs. Therefore there is no default value.)

## (c) Non-conforming cells:

Discarded

## (d) Cell Delay Variation Tolerance (CDVT):

DS1 = 600 microseconds

DS3 = 600 microseconds

OC3c = 600 microseconds

OC12c = 600 microseconds

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## (2) Variable Bit Rate (VBR) Real Time/Non-Real Time (Cont'd)

## (e) Maximum Burst Size (MBS):

Customer selectable

Default is 100 cells on PVCs

As signaled on SVCs

## (3) Unspecified Bit Rate

## (a) No Class of Service descriptors

## (b) Best effort service

## (c) Cells exceeding network capacity are discarded

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(H) Special Conditions

- (1) ATM CRS is available where facilities and conditions permit in accordance with the regulations specified in Section 14.1 preceding. For locations where the Customer requests ATM CRS and digital or SONET facilities are not available, special construction charges may apply.

(2) Maintenance Window

To meet Customers' requirements, occasional network upgrades must be performed. These network upgrades are needed to provide improved performance and new features. Generally these upgrades will be performed between the hours of 11 PM and 8 AM. Network upgrades are planned to provide Customers reasonable and timely notification in order to minimize any impact on Customer service.

- (3) Credit Allowance for Service Interruptions Applicable to Customers in the States of Maine, New Hampshire, and Vermont Who Entered into Extended Service Plans Prior to September 12, 2003

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

- (a) For ATM CRS, no credit shall be allowed for an interruption of less than 30 minutes. Customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof, i.e., over 15 minutes, that the interruption continues.

The monthly charges used to determine the credit shall be as follows.

- (b) For ATM CRS, the monthly charge shall be the total of all monthly rate element charges associated with the respective services (i.e., ATM UNIs, logical channels, EIA Ports, IISP interfaces, Port Only connection and bandwidth).

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Customer must provide the necessary premises equipment or ATM device capable of interfacing with Company's CRS. Customer-provided equipment or ATM device must conform to the technical specifications.

(J) Responsibility of the Company

ATM CRS is supported by Company's Single Point of Contact (SPOC) center that provides continuous support for ATM CRS 24 hours per day, seven days per week (24 x 7) with the ability to manage all of Company-provided ATM CRS services as a single network. The SPOC performs maintenance, trouble resolution and network management functions on a 24 x 7 basis. Service order processing and network installation functions are performed only during normal business hours.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(K) Application of Rates and Charges

## (1) Rate Elements

The following rate elements are applicable to ATM CRS:

- User Network Interfaces (UNIs) Port With Access Line Connection
- UNI Inverse Multiplexing ATM (IMA) Port With Access Line Connection
- User Network Interfaces (UNIs) Port Only Connection
- Interim Inter-Switch Signaling Protocol (IISP) Interfaces, Port With Access Line Connection
- Interim Inter-Switch Signaling Protocol (IISP) Interface, Port Only Connection
- Permanent Virtual Circuits (PVCs)
- Switched Virtual Circuits (SVCs)
- Effective Bandwidth for Incremental UNIs or IISPs
- Closed User Groups (CUG)
- Administrative Charge

## (a) User Network Interfaces (UNIs) Port With Access Line Connection

A monthly rate applies on a per Port With Access Line Connection basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental, SONET, Protected or Protected Diverse) of the access connection. UNI Port With Access Line Connection is offered under one-year, two-year, three-year or five-year Extended Service Plans (ESP). No nonrecurring charges apply.

## (b) UNI Inverse Multiplexing ATM (IMA) Port With Access Line Connection

A monthly rate applies on a per DS1 basis for each sequential DS1 ordered up to the desired bandwidth (i.e., 3 Mbps, 4.5 Mbps, 6 Mbps, 7.5 Mbps or 9 Mbps). IMA is offered as a one-year, two-year, three-year or five-year ESP. DS1s within an IMA group added subsequent to the initial installation of the first two DS1s will have their own term period. No nonrecurring charges apply.

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## (1) Rate Elements (Cont'd)

## (c) User Network Interfaces (UNIs) Port Only Connection

A monthly rate applies on a per Port Only basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental) of the port only connection. UNI Port Only is offered under one-year, two-year, three-year or five-year Extended Service Plans (ESP). No nonrecurring charges apply.

(d) Interim Inter-Switch Signaling Protocol (IISP)  
Interfaces, Port With Access Line Connection

A monthly rate applies on a per Port With Access Line Connection basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental, SONET) of the access connection. IISP Port With Access Line Connection is only available in Tier 1 and is offered under one-year, two-year, three-year or five-year Extended Service Plans (ESP). No nonrecurring charges apply.

(e) Interim Inter-Switch Signaling Protocol (IISP)  
Interfaces, Port Only Connection

A monthly rate applies on a per Port Only Connection basis, based on the speed (i.e., DS1, DS3, OC3c or OC12c) and/or type (i.e., Full or Incremental) of the port only connection. IISP Port Only Connection is only available in Tier 1 and is offered under one-year, two-year, three-year or five-year Extended Service Plans (ESP). No nonrecurring charges apply.

## (f) Permanent Virtual Circuit (PVCs)

A nonrecurring charge per order for Virtual Channel Connection (VCC) or Virtual Path Connection (VPC). PVCs are ordered per UNI or IISP. If multiple UNIs or IISPs are involved, a nonrecurring charge will apply to each UNI or IISP Port on which the virtual connections will reside. The nonrecurring charge does not apply when PVCs are installed at the same time as the respective UNIs or IISPs.

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## (1) Rate Elements (Cont'd)

## (g) Switched Virtual Circuit (SVCs)

A nonrecurring charge per order for Virtual Channel Connection (VCC) or Virtual Path Connection (VPC). SVCs are ordered per UNI or IISP. If multiple UNIs or IISPs are involved, a nonrecurring charge will apply to each UNI or IISP Port on which the virtual connections will reside. The nonrecurring charge does not apply when SVCs are installed at the same time as the respective UNIs or IISPs.

## (h) Effective Bandwidth for Incremental UNIs

A monthly rate applies for incremental UNIs for CBR or VBR PVC and SVC bandwidth at 5 Mbps for DS3 or OC3c and at 15 Mbps for OC12c. A monthly rate also applies for incremental UNIs for UBR PVC and SVC bandwidth for DS3, OC3c and OC12c. No nonrecurring charges apply.

The monthly rate for PVC and/or SVC Unspecified Bit Rate bandwidth will be waived when the combined Variable Bit Rate and Constant Bit Rate effective bandwidth purchased (either SVC or PVC or any combination) is equal to at least 50% of the effective bandwidth capacity of the UNI. When UBR bandwidth is made available, it is available for both PVCs and SVCs. No nonrecurring charges apply.

Incremental UNIs with UBR PVC of zero bandwidth are provided at no charge to Customer only when Asynchronous Transfer Mode Cell Relay Service is used to transport Company-provided Digital Subscriber Line (DSL) service.

## (i) Closed User Group (CUG)

A nonrecurring charge applies per order and per UNI/ IISP for each CUG established and for each subsequent CUG member added to a CUG. The nonrecurring charge does not apply when a CUG is installed at the same time as the respective UNI or IISP.

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## (1) Rate Elements (Cont'd)

## (j) Administrative Charge

A nonrecurring charge applies (per order, per UNI or IISP) when a customer initiates a change to one or more of the following: UNI or IISP bandwidth, PVCs, class of service parameters, and/or other service parameters that do not require changes in physical facilities and that can be provisioned by the Company without the dispatch of a technician to the customer location. For each service order issued, the charge will be one Administrative Charge regardless of the number of changes made. The Administrative Charge does not apply for those items ordered on the same service order with the installation of a UNI or IISP.

## (2) Minimum Period

The minimum period for ATM CRS is 1 month.

## (3) Extended Service Plan

The ATM CRS UNI Port with Access Line Connection, UNI IMA Port With Access Line Connection, UNI Port Only, IISP Port with Access Line Connection, and IISP Port Only rate elements are available under an ESP.

Term commitments of one-, three- and five-years are available to ATM CRS UNI Port With Access Line Connection, UNI Port Only, IISP Port With Access Line Connection and IISP Port Only Customers and term commitments of one-, two-, three- and five-years are available to UNI IMA Port With Access Line Connections, regardless of when they subscribe to an ESP arrangement.

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## (4) Termination Liability

In the event ATM CRS is terminated by the Customer prior to completion of the initial term commitment period, Termination Liability charges, as set forth following, will apply.

In the event the service is terminated by the Customer prior to completion of the current term commitment period, the Customer shall be liable for an early termination charge, except as noted below. For customers who enter into Extended Service Plans on or after September 12, 2003, the amount of the early termination charge will be 25% of the monthly recurring charge(s) (MRC) for the remainder of the term. For example:

$25\% \times \text{MRC} \times \# \text{ of Lines/Channels/Paths} \times \text{Remainder of Term} = \text{Termination Charge}$

Early termination charges will apply only to those rate elements under a term commitment period. If any rates for the service are increased during the term period, exclusive of any increase due to local, state or federal fees, taxes or surcharges, the Customer may terminate the service without incurring an early termination charge.

For customers who entered into Extended Service Plans prior to September 12, 2003, the amount of the early termination charge will be the lesser of:

- (a)  $25\% \times \text{MRC} \times \# \text{ of Lines/Channels/Paths} \times \text{Remainder of Term} = \text{Termination Charge}$
- (b) As an alternative for the Five-Year ESP, provided the service was installed for at least 36 months, the liability is equal to the total number of months completed in the term period times the difference between the three year and five year rate. For example, if 48 months had elapsed from the time the service was in effect, and the five year plan had initially been selected, the alternative Termination Liability would be calculated using the following formula:

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## (4) Termination Liability (Cont'd)

## (c) Termination Liability = 48 X (the three year rate minus the five year rate)

For customers who entered into Extended Service Plans prior to September 12, 2003, if rates increase during the plan period, Customer may discontinue service without termination liability within 120 days of the rate increase. If the service is continued after the 120 days, all current plan terms and conditions apply, including termination liability.

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## (4) Termination Liability (Cont'd)

## End of Term Options

Prior to the end of the term commitment period, the Customer may select one of the following options, to be effective at the end of the term:

Renew for the same commitment period,  
Commit to a new term period of shorter or longer duration,  
Arrange for a change of service, or  
Discontinue service.

In the event the Customer does not select one of the above options, the Customer will be converted to the shortest-term period available under tariff (i.e., 1-year, etc.) for the same service, and will be subject to the applicable term commitment, if any, unless the Customer terminates the service within sixty (60) days of the conversion date.

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## (4) Termination of Liability (Cont'd)

Early termination charges will not be assessed under the following circumstances:

Customer moves existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term;

Customer attempts to move the existing service to a new location within the Company's service area, but the service is unavailable;

Customer converts to a new term commitment plan for the same service before the current term commitment expires and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment; or

Customer changes to another service or upgrades service to a higher speed or capacity under a term commitment, provided the following conditions are met:

The value of the new term commitment is equal to or greater than the remaining value of the current term commitment,

Both the existing and the new services are provided solely by the Company, and

The order to discontinue the existing service and the order for the new or upgraded service are received by the Company at the same time.

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## (5) Moves

When Customer requests a move or relocation of the UNI or IISP, the move or relocation will be treated as a termination of the existing service and the establishment of a new service.

## (6) Special Facilities Routing

Customer may request that the facilities used to provide ATM CRS be specially routed.

## (7) Acceptance Testing

At no additional charge, Company will, at Customer's request, cooperatively test, at the time of installation. Acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

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(K) Application of Rates and Charges (Cont'd)

(8) Access Order Provisions

ATM CRS is ordered under the Access Order provisions.

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## (1) User Network Interfaces (UNIs) Port With Access Line Connection

Jurisdiction: Maine, New Hampshire, and Vermont

	<u>One-Year Rate</u>	<u>Two-Year Rate</u>	<u>Three-Year Rate</u>	<u>Five-Year Rate</u>
1. DS1, each				
Full				
Tier 1 (0 to 5 Miles)	\$ 813.00	\$ 772.35	\$ 691.05	\$ 650.40
Tier 2 (Over 5 to 25 Miles)	813.00	772.35	691.05	650.40
Tier 3 (Over 25 to 50 Miles)	813.00	772.35	691.05	650.40
2. DS3, each				
Full				
Tier 1 (0 to 5 Miles)	2,891.00	2,746.45	2,457.35	2,312.80
Tier 2 (Over 5 to 25 Miles)	4,704.00	4,468.45	3,998.40	3,763.20
Tier 3 (Over 25 to 50 Miles)	7,891.00	7,496.45	6,707.35	6,312.80
Incremental				
Tier 1 (0 to 5 Miles)	2,250.00	2,137.50	1,912.50	1,800.00
Tier 2 (Over 5 to 25 Miles)	4,063.00	3,859.85	3,453.55	3,250.40
Tier 3 (Over 25 to 50 Miles)	7,250.00	6,887.50	6,162.50	5,800.00

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(L) Rates and Charges (Cont'd)

## (1) User Network Interfaces (UNIs) Port With Access Line Connection (Cont'd)

Jurisdiction: Maine, New Hampshire, and Vermont

	<u>One-Year Rate</u>	<u>Two-Year Rate</u>	<u>Three-Year Rate</u>	<u>Five-Year Rate</u>
3. OC3c SONET, each				
Full, Protected				
Tier 1 (0 to 5 Miles)	\$ 5,388.00	\$ 5,118.60	\$ 4,579.80	\$ 4,310.40
Tier 2 (Over 5 to 25 Miles)	7,888.00	7,493.60	6,704.80	6,310.40
Tier 3 (Over 25 to 50 Miles)	11,638.00	11,056.10	9,892.30	9,310.40
Full, Protected Diverse				
Tier 1 (0 to 5 Miles)	5,838.00	5,546.10	4,962.30	4,670.00
Tier 2 (Over 5 to 25 Miles)	8,338.00	7,921.10	7,087.30	6,670.40
Tier 3 (Over 25 to 50 Miles)	12,088.00	11,483.60	10,274.80	9,670.40
Full, Unprotected				
Tier 1 (0 to 5 Miles)	4,888.00	4,643.60	4,154.80	3,910.40
Tier 2 (Over 5 to 25 Miles)	7,388.00	7,018.60	6,279.80	5,910.40
Tier 3 (Over 25 to 50 Miles)	11,138.00	10,581.10	9,467.30	8,910.40
Incremental, Protected				
Tier 1 (0 to 5 Miles)	3,250.00	3,087.50	2,762.50	2,600.00
Tier 2 (Over 5 to 25 Miles)	5,750.00	5,462.50	4,887.50	4,600.00
Tier 3 (Over 25 to 50 Miles)	9,500.00	9,025.00	8,075.00	7,600.00
Incremental, Protected Diverse				
Tier 1 (0 to 5 Miles)	3,700.00	3,515.00	3,145.00	2,960.00
Tier 2 (Over 5 to 25 Miles)	6,200.00	5,890.00	5,270.00	4,960.00
Tier 3 (Over 25 to 50 Miles)	9,950.00	9,452.50	8,457.50	7,960.00
Incremental, Unprotected				
Tier 1 (0 to 5 Miles)	2,750.00	2,612.50	2,337.50	2,200.00
Tier 2 (Over 5 to 25 Miles)	5,250.00	4,987.50	4,462.50	4,200.00
Tier 3 (Over 25 to 50 Miles)	9,000.00	8,550.00	7,650.00	7,200.00

# Service availability limited. Refer to # footnote on Page 14-133.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(L) Rates and Charges (Cont'd)

## (1) User Network Interfaces (UNIs) Port With Access Line Connection (Cont'd)

Jurisdiction: Maine, New Hampshire, and Vermont

	<u>One-Year Rate</u>	<u>Two-Year Rate</u>	<u>Three-Year Rate</u>	<u>Five-Year Rate</u>
4. OC12c SONET, each				
Full, Protected				
Tier 1 (0 to 5 Miles)	\$15,935.00	\$15,138.25	\$13,544.75	\$12,748.00
Tier 2 (Over 5 to 25 Miles)	23,424.00	22,252.80	19,910.40	18,739.20
Tier 3 (Over 25 to 50 Miles)	34,676.00	32,942.20	29,474.60	27,740.80
Full, Protected Diverse				
Tier 1 (0 to 5 Miles)	17,229.00	16,367.55	14,644.65	13,783.20
Tier 2 (Over 5 to 25 Miles)	24,718.00	23,482.10	21,010.30	19,774.40
Tier 3 (Over 25 to 50 Miles)	35,970.00	34,171.50	30,574.50	28,776.00
Incremental, Protected				
Tier 1 (0 to 5 Miles)	9,750.00	9,262.50	8,287.50	7,800.00
Tier 2 (Over 5 to 25 Miles)	17,250.00	16,387.50	14,662.50	13,800.00
Tier 3 (Over 25 to 50 Miles)	28,500.00	27,075.00	24,225.00	22,800.00
Incremental, Protected Diverse				
Tier 1 (0 to 5 Miles)	11,052.00	10,499.40	9,394.20	8,841.60
Tier 2 (Over 5 to 25 Miles)	18,542.00	17,614.90	15,760.70	14,833.60
Tier 3 (Over 25 to 50 Miles)	29,794.00	28,304.30	25,324.90	23,835.20

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(L) Rates and Charges (Cont'd)

- (2) UNI Inverse Multiplexing ATM (IMA) Port with Access Line Connection

Jurisdiction: Maine, New Hampshire, and Vermont

	<u>One-Year Rate</u>	<u>Two-Year Rate</u>	<u>Three-Year Rate</u>	<u>Five-Year Rate</u>
1. First DS1, each (1.536 Mbps total bandwidth)*				
Full				
Tier 1 (0 to 5 Miles)	\$ 837.39	\$ 795.52	\$ 711.78	\$ 669.91
Tier 2 (Over 5 to 25 Miles)	837.39	795.52	711.78	669.91
Tier 3 (Over 25 to 50 Miles)	837.39	795.52	711.78	669.91
2. Second DS1, each (3 Mbps total bandwidth)				
Full				
Tier 1 (0 to 5 Miles)	813.00	772.35	691.05	650.40
Tier 2 (Over 5 to 25 Miles)	813.00	772.35	691.05	650.40
Tier 3 (Over 25 to 50 Miles)	813.00	772.35	691.05	650.40
3. Third DS1, each (4.5 Mbps total bandwidth)				
Full				
Tier 1 (0 to 5 Miles)	764.22	726.01	649.59	611.38
Tier 2 (Over 5 to 25 Miles)	764.22	726.01	649.59	611.38
Tier 3 (Over 25 to 50 Miles)	764.22	726.01	649.59	611.38
4. Fourth DS1, each (6 Mbps total bandwidth)				
Full				
Tier 1 (0 to 5 Miles)	764.22	726.01	649.59	611.38
Tier 2 (Over 5 to 25 Miles)	764.22	726.01	649.59	611.38
Tier 3 (Over 25 to 50 Miles)	764.22	726.01	649.59	611.38
5. Fifth DS1, each (7.5 Mbps total bandwidth)				
Full				
Tier 1 (0 to 5 Miles)	764.22	726.01	649.59	611.38
Tier 2 (Over 5 to 25 Miles)	764.22	726.01	649.59	611.38
Tier 3 (Over 25 to 50 Miles)	764.22	726.01	649.59	611.38
6. Sixth DS1, each (9 Mbps total bandwidth)				
Full				
Tier 1 (0 to 5 Miles)	764.22	726.01	649.59	611.38
Tier 2 (Over 5 to 25 Miles)	764.22	726.01	649.59	611.38
Tier 3 (Over 25 to 50 Miles)	764.22	726.01	649.59	611.38

\* Customer must purchase a minimum of two IMA DS1s.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(L) Rates and Charges (Cont'd)(3) Interim Inter-Switch Signaling Protocol (IISP) Interfaces  
Port With Access Line Connection - Tier 1Jurisdiction: Maine, New Hampshire, and Vermont.

	<u>One-Year Rate</u>	<u>Two-Year Rate</u>	<u>Three-Year Rate</u>	<u>Five-Year Rate</u>
1. DS1, each Full	\$ 813.00	\$ 772.35	\$ 691.05	\$ 650.40
2. DS3, each Full	2,891.00	2,746.45	2,457.35	2,312.80
3. OC3c SONET, each Full, Protected	5,388.00	5,118.60	4,579.80	4,310.40
Full, Protected Diverse	5,838.00	5,546.10	4,962.30	4,670.40
Full, Unprotected	4,888.00	4,643.60	4,154.80	3,910.40
4. OC12c SONET, each Full, Protected	15,935.00	15,138.25	13,544.75	12,748.00
Full, Protected Diverse	17,229.00	16,367.55	14,644.65	13,783.20

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(L) Rates and Charges (Cont'd)

## (4) UNI Port Only Connection

Jurisdiction: Maine, New Hampshire, and Vermont

	<u>One-Year Rate</u>	<u>Two-Year Rate</u>	<u>Three-Year Rate</u>	<u>Five-Year Rate</u>
1. DS1, each Full	\$ 489.00	\$ 464.55	\$ 415.65	\$ 391.20
2. DS3, each Incremental	1,125.00	1,068.75	956.25	900.00
Full	1,766.00	1,677.70	1,501.10	1,412.80
3. OC3c Incremental	1,625.00	1,543.75	1,381.25	1,300.00
Full	3,665.00	3,481.75	3,115.25	2,932.00
4. OC12c Incremental	4,875.00	4,631.25	4,143.75	3,900.00
Full	10,125.00	9,618.75	8,606.25	8,100.00

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(L) Rates and Charges (Cont'd)

## (5) IISPort Only Connection

Jurisdiction: Maine, New Hampshire, and Vermont

	<u>One-Year Rate</u>	<u>Two-Year Rate</u>	<u>Three-Year Rate</u>	<u>Five-Year Rate</u>
1. DS1, each Full	\$ 489.00	464.55	\$ 415.65	\$ 391.20
2. DS3, each Full	1,766.00	1,677.70	1,501.10	1,412.80
3. OC3c Full	3,665.00	3,481.75	3,115.25	2,932.00
4. OC12c Full	10,125.00	9,618.75	8,606.25	8,100.00

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(L) Rates and Charges (Cont'd)

## (6) Optional Features

(a) Permanent Virtual Circuits (PVCs) for DS1, DS3, OC3c or OC12c  
SONETNonrecurring  
Charge\*

## (i) Virtual Channel Connections (VCCs)

Constant Bit Rate (CBR)	\$75.00
Variable Bit Rate real time (VBRrt)	75.00
Variable Bit Rate non-real time (VBRnrt)	75.00
Unspecified Bit Rate (UBR)	75.00

## (ii) Virtual Path Connections (VPCs)

Constant Bit Rate (CBR)	75.00
Variable Bit Rate real time (VBRrt)	75.00
Variable Bit Rate non-real time (VBRnrt)	75.00
Unspecified Bit Rate (UBR)	75.00

(b) Switched Virtual Circuits (SVCs) for DS1, DS3, OC3c or OC12c  
SONETNonrecurring  
Charge\*

## (i) Virtual Channel Connections (VCCs)

Constant Bit Rate (CBR)	\$75.00
Variable Bit Rate real time (VBRrt)	75.00
Variable Bit Rate non-real time (VBRnrt)	75.00
Unspecified Bit Rate (UBR)	75.00

## (ii) Virtual Path Connections (VPCs)

Constant Bit Rate (CBR)	75.00
Variable Bit Rate real time (VBRrt)	75.00
Variable Bit Rate non-real time (VBRnrt)	75.00
Unspecified Bit Rate (UBR)	75.00

\* A nonrecurring administrative charge applies per service order. PVCs/SVCs are ordered per UNI, IISP or IDSR arrangement ATM port. If multiple UNIs, IISPs or IDSR arrangement ATM ports are involved, a service order will apply to each UNI, IISP or IDSR arrangement ATM port on which the virtual connections will reside. The nonrecurring charge will be waived when PVCs/SVCs are installed at the same time as the respective UNI, IISP or IDSR arrangement ATM port.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(L) Rates and Charges (Cont'd)

	(7) Bandwidth for Incremental UNIs				
	<u>One-Year</u>	<u>Two-Year</u>	<u>Three-Year</u>	<u>Five-Year</u>	<u>Nonrecurring</u>
	<u>Rate</u>	<u>Rate</u>	<u>Rate</u>	<u>Rate</u>	<u>Charge *</u>
CBR or VBR PVC Bandwidth, 5 Mbps Effective bandwidth DS3 or OC3c	\$ 75.00	\$ 75.00	\$ 75.00	\$ 75.00	\$ 75.00
CBR or VBR PVC Bandwidth, 15 Mbps Effective bandwidth OC12C	175.00	175.00	175.00	175.00	75.00
UBR PVC Bandwidth up to UNI line rate Includes SVC Bandwidth					
DS3	375.00	375.00	375.00	375.00	75.00
OC3c	1,125.00	1,125.00	1,125.00	1,125.00	75.00
OC12c	3,500.00	3,500.00	3,500.00	3,500.00	75.00
CBR or VBR SVC Bandwidth, 5 Mbps Effective bandwidth DS3 or OC3c	75.00	75.00	75.00	75.00	75.00
CBR or VBR SVC Bandwidth, 15 Mbps Effective bandwidth OC12C	175.00	175.00	175.00	175.00	75.00
UBR SVC Bandwidth, includes PVC bandwidth Up to NNI line rate					
DS3	375.00	375.00	375.00	375.00	75.00
OC3c	1,125.00	1,125.00	1,125.00	1,125.00	75.00
OC12c	3,500.00	3,500.00	3,500.00	3,500.00	75.00

\* NRC applies per service order. The NRC will be waived when bandwidth is installed at the same time as the respective UNI or IISP.

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14. Communications Services (Cont'd)14.2 Description of Data Services and Rates (Cont'd)14.2.4 Asynchronous Transfer Mode Cell Relay Service# (Cont'd)(L) Rates and Charges (Cont'd)

## (8) Closed User Groups (CUG) Per UNI/IISP

<u>Type</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge *</u>
Each CUG	None	\$75.00
Each subsequent CUG member added to a CUG	None	75.00

\* Nonrecurring charge applies per service order. The nonrecurring charge will be waived when a CUG is installed at the same time as the respective UNI or IISP.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.3 Promotions(A) General

Company may provide special promotional offerings to its Customers. These offerings may be limited to certain dates, times and locations. All promotions are subject to availability of service at the requested location and are not valid with any other promotions, unless otherwise specified. The following specific rates, terms and conditions are applicable to each promotional offering.

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.4 Operating Territories of the FairPoint Telephone Companies14.4.1 Operating Territory of Maine

Acton	Cumberland	Hermon
Ashland	Danforth	Houlton
Augusta	Dark Harbor	Jackman
Bangor	Deer Isle	Jonesport
Bar Harbor	Dexter	Kennebunk
Bath	Dixfield	Kennebunkport
Belfast	Dover-Foxcroft	Kittery
Belgrade	E. Millinocket	Lebanon
Berwick	Easton	Lewiston
Biddeford	Eastport	Limerick
Bingham	Eddington	Limestone
Blue Hill	Eliot	Lincoln
Boothbay Harbor	Ellsworth	Lisbon Falls
Bowdoinham	Fairfield	Livermore Falls
Bradford	Farmington	Lubec
Bridgton	Fort Fairfield	Machias
Brownville	Franklin	Madawaska
Brunswick	Freeport	Madison
Bucksport	Frenchville	Mars Hill
Calais	Gardiner	Mechanic Falls
Camden	Goodwin's Mills	Milbridge
Caribou	Gorham	Millinocket
Castine	Grand Isle	Milo
Clinton	Greenville	Monroe
Columbia	Guilford	Monson
Corinth	Harpswell	Newport
Cornish	Harrison	

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14. Communications Services (Cont'd)14.4 Operating Territories of the FairPoint Telephone Companies (Cont'd)14.4.1 Operating Territory of Maine (Cont'd)

New Sweden	Readfield	Van Buren
N. Berwick	Richmond	Vanceboro
Northeast Harbor	Rockland	Vinal Haven
N. Whitefield	Rockwood	Waldoboro
Norway	Rumford	Washburn
Oakland	Sabattus	Waterville
Old Orchard Beach	Sanford	Wells
Old Town	Scarborough	Westbrook
Orono	Searsport	W. Lebanon
Orrington	Sedgwick	Wilson's Mills
Oxford	Skowhegan	Wilton
Pembroke	S. Berwick	Windham
Pittsfield	S. Lebanon	Winter Harbor
Portland	Southwest Harbor	Winterport
Pownal	Sullivan	Wiscasset
Presque Isle	Tenants Harbor	Woodland
Princeton	The Forks	Wytovit Lock
Rangeley	Thomaston	Yarmouth
		York

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14. Communications Services (Cont'd)14.4 Operating Territories of the FairPoint Telephone Companies (Cont'd)14.4.2 Operating Territory of New Hampshire

Alstead	Groveton	Pelham
Ashland	Hampstead	Penacook
Barrington	Hampton	Peterborough
Bartlett	Hancock	Piermont
Bedford	Hanover	Pike
Belmont	Harrisville	Pittsburg
Berlin	Hinsdale	Pittsfield
Bethlehem	Jackson	Plainfield
Bristol	Jaffery	Plaistow
Campton	Jefferson	Plymouth
Canaan	Keene	Portsmouth
Candia	Kingston	Raymond
Canterbury	Laconia	Ringe
Center Harbor	Lancaster	Rochester
Center Ossipee	Lebanon	Rumney
Center Sandwich	Lisbon	Rye Beach
Charlestown	Littleton	Salem
Claremont	Lyme	Sanbornville
Colebrook	Madison	Seabrook
Concord	Manchester	Somersworth
Conway	Marlborough	S. Hampton
Danbury	Marlow	Spofford
Deerfield	Meredith	Sullivan
Derry	Merrimack	Sunapee
Dover	Milan	Suncook
Dublin	Milford	Tamworth
Durham	Milton	Tilton
Enfield	Milton Mills	Troy
Epping	Monroe	Twin Mountain
Epsom	Nashua	Walpole
Errol	New Boston	Warren
Exeter	Newmarket	W. Chesterfield
Farmington	Newport	W. Lebanon
Fitzwilliam	N. Conway	Westmoreland
Franconia	N. Stratford	W. Stewartstown
Franklin	W. Walpole	Whitefield
Goffstown	Northwood	Winchester
Gorham	N. Woodstock	Wolfboro
Greenfield	Orford	Woodsville
Greenville		

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14. Communications Services (Cont'd)14.4 Operating Territories of the FairPoint Telephone Companies (Cont'd)14.4.3 Operating Territory of Vermont

Albany	Dorset	Middlebury
Arlington	E. Calais	Milton
Barnet	E. Fairfield	Montpelier
Barre	Enosburg Falls	Morgan
Barton	Essex Junction	Morrisville
Bellows Falls	Fairfax	Newbury
Bennington	Fair Haven	Newfane
Bethel	Fairlee	Newport
Bloomfield	Grand Isle	N. Troy
Bradford	Greensboro	Norton
Brandon	Guildhall	Norwich
Brattleboro	Hardwick	Orleans
Brookfield	Island Pond	Pittsfield
Burlington	Jacksonville	Pittsford
Canaan	Jamaica	Plainfield
Castleton	Jeffersonville	Poultney
Chelsea	Johnson	Pownal
Concord	Lemington	Proctor
Craftsbury	Lumbenburg	Putney
Danville	Lyndonville	Randolph
Derby	Maidstone	Reading
Derby Line	Manchester	Readsboro

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14. Communications Services (Cont'd)14.4 Operating Territories of the FairPoint Telephone Companies (Cont'd)14.4.3 Operating Territory of Vermont (Cont'd)

Richford	Stowe	Wells
Rochester	Swanton	Wells River
Rupert	Thetford	W. Burke
Rutland	Troy	Westminster
St. Albans	Tunbridge	W. Rutland
St. Johnsbury	Underhill	White River Junction
Saisbury	Vergennes	Williamstown
S. Londonderry	Wardsboro	Williamsville
S. Royalton	Washington	Willmington
S. Strafford	Waterbury	Windsor
Stamford	Weathersfield	Woodstock

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.5 Specialized Service or Arrangements

- (A) Specialized Service or Arrangements may be provided by the Company, at the request of a Customer, on an individual case basis if such service or arrangements meet the following criteria.
- (1) The requested service or arrangements are not offered under other sections of this tariff.
  - (2) The facilities utilized to provide the requested service or arrangements are of a type normally used by Company in furnishing its other services.
  - (3) The requested service or arrangements are provided within a LATA.
  - (4) The requested service or arrangements are compatible with other Company services, facilities and its engineering and maintenance practices.
  - (5) This offering is subject to the availability of the necessary Company personnel and capital resources.
- (B) Specialized Service or Arrangements are provided with a Negotiated Interval.
- (C) Cancellation charges for Specialized Service or Arrangements will be developed on an individual case basis.
- (D) Move Charges
- (1) When service without a maximum termination liability charge associated with it is moved to a different building, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half of the nonrecurring charge applies.
  - (2) When service with a maximum termination liability charge associated with it is moved and is reinstalled at a new location, Customer may elect:
    - (a) to pay the unexpired portion of the maximum termination liability charge for the service, if any, with the application of a nonrecurring charge and the establishment of a new maximum termination liability charge for such service at the new location; or

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## ACCESS SERVICE

14. Communications Services (Cont'd)14.5 Specialized Service or Arrangements (Cont'd)(D) Move Charges (Cont'd)

## (2) (Cont'd)

- (b) to continue service subject to the unexpired portion of the maximum termination liability charge, if any, and pay the estimated costs of moving such service, provided that the Customer requests these charges be quoted prior to ordering the service move. Charges for moving such service will be based on estimated costs attributable to the move.
- (3) Move charge include the estimated costs of removal, restoration of services or facilities necessitated by the move, transportation, storage, reinstallation, engineering, labor, supervision, materials, administration, and any other specific items of cost directly attributable to the move.

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## ACCESS SERVICE

15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies15.1 Operating Territory

The operating territory of Northern New England Telephone Operations LLC is comprised of the following locations, defined by the names of the rate centers, for Maine and New Hampshire as listed in 15.1.1 and 15.1.2 and the operating territory of Telephone Operating Company of Vermont LLC is comprised of the following locations, defined by the names of the rate centers for Vermont as listed in 15.1.3 following.

15.1.1 The Operating Territory of Maine

Acton	Cumberland	Hermon
Ashland	Danforth	Houlton
Augusta	Dark Harbor	Jackman
Bangor	Deer Isle	Jonesport
Bar Harbor	Dexter	Kennebunk
Bath	Dixfield	Kennebunkport
Belfast	Dover-Foxcroft	Kittery
Belgrade	E. Millinocket	Lebanon
Berwick	Easton	Lewiston
Biddeford	Eastport	Limerick
Bingham	Eddington	Limestone
Blue Hill	Eliot	Lincoln
Boothbay Harbor	Ellsworth	Lisbon Falls
Bowdoinham	Fairfield	Livermore Falls
Bradford	Farmington	Lubec
Bridgton	Fort Fairfield	Machias
Brownville	Franklin	Madawaska
Brunswick	Freeport	Madison
Bucksport	Frenchville	Mars Hill
Calais	Gardiner	Mechanic Falls
Camden	Goodwin's Mills	Milbridge
Caribou	Gorham	Millinocket
Castine	Grand Isle	Milo
Clinton	Greenville	Monroe
Columbia	Guilford	Monson
Corinth	Harpswell	Newport
Cornish	Harrison	

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.1 Operating Territory (Cont'd)15.1.1 The Operating Territory of Maine (Cont'd)

New Sweden	Readfield	Van Buren
N. Berwick	Richmond	Vanceboro
Northeast Harbor	Rockland	Vinal Haven
N. Whitefield	Rockwood	Waldoboro
Norway	Rumford	Washburn
Oakland	Sabattus	Waterville
Old Orchard Beach	Sanford	Wells
Old Town	Scarborough	Westbrook
Orono	Searsport	W. Lebanon
Orrington	Sedgwick	Wilson's Mills
Oxford	Skowhegan	Wilton
Pembroke	S. Berwick	Windham
Pittsfield	S. Lebanon	Winter Harbor
Portland	Southwest Harbor	Winterport
Pownal	Sullivan	Wiscasset
Presque Isle	Tenants Harbor	Woodland
Princeton	The Forks	Wytopit Lock
Rangeley	Thomaston	Yarmouth
		York

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.1 Operating Territory (Cont'd)15.1.2 The Operating Territory of New Hampshire

Alstead	Groveton	Pelham
Ashland	Hampstead	Penacook
Barrington	Hampton	Peterborough
Bartlett	Hancock	Piermont
Bedford	Hanover	Pike
Belmont	Harrisville	Pittsburg
Berlin	Hinsdale	Pittsfield
Bethlehem	Jackson	Plainfield
Bristol	Jaffery	Plaistow
Campton	Jefferson	Plymouth
Canaan	Keene	Portsmouth
Candia	Kingston	Raymond
Canterbury	Laconia	Ringe
Center Harbor	Lancaster	Rochester
Center Ossipee	Lebanon	Rumney
Center Sandwich	Lisbon	Rye Beach
Charlestown	Littleton	Salem
Claremont	Lyme	Sanbornville
Colebrook	Madison	Seabrook
Concord	Manchester	Somersworth
Conway	Marlborough	S. Hampton
Danbury	Marlow	Spofford
Deerfield	Meredith	Sullivan
Derry	Merrimack	Sunapee
Dover	Milan	Suncook
Dublin	Milford	Tamworth
Durham	Milton	Tilton
Enfield	Milton Mills	Troy
Epping	Monroe	Twin Mountain
Epsom	Nashua	Walpole
Errol	New Boston	Warren
Exeter	Newmarket	W. Chesterfield
Farmington	Newport	W. Lebanon
Fitzwilliam	N. Conway	Westmoreland
Franconia	N. Stratford	W. Stewartstown
Franklin	W. Walpole	Whitefield
Goffstown	Northwood	Winchester
Gorham	N. Woodstock	Wolfboro
Greenfield	Orford	Woodsville
Greenville		

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.1 Operating Territory (Cont'd)15.1.3 The Operating Territory of Vermont

Albany	Dorset	Middlebury
Arlington	E. Calais	Milton
Barnet	E. Fairfield	Montpelier
Barre	Enosburg Falls	Morgan
Barton	Essex Junction	Morrisville
Bellows Falls	Fairfax	Newbury
Bennington	Fair Haven	Newfane
Bethel	Fairlee	Newport
Bloomfield	Grand Isle	N. Troy
Bradford	Greensboro	Norton
Brandon	Guildhall	Norwich
Brattleboro	Hardwick	Orleans
Brookfield	Island Pond	Pittsfield
Burlington	Jacksonville	Pittsford
Canaan	Jamaica	Plainfield
Castleton	Jeffersonville	Poultney
Chelsea	Johnson	Pownal
Concord	Lemington	Proctor
Craftsbury	Lumbenburg	Putney
Danville	Lyndonville	Randolph
Derby	Maidstone	Reading
Derby Line	Manchester	Readsboro

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.1 Operating Territory (Cont'd)15.1.3 The Operating Territory of Vermont (Cont'd)

Richford	Stowe	Wells
Rochester	Swanton	Wells River
Rupert	Thetford	W. Burke
Rutland	Troy	Westminster
St. Albans	Tunbridge	W. Rutland
St. Johnsbury	Underhill	White River Junction
Saisbury	Vergennes	Williamstown
S. Londonderry	Wardsboro	Williamsville
S. Royalton	Washington	Willmington
S. Strafford	Waterbury	Windsor
Stamford	Weathersfield	Woodstock

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## ACCESS SERVICE

15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies

## (A) General

Wire centers within the Telephone Company's operating territories have been arranged in Metropolitan Statistical Areas (MSAs). MSAs may achieve various phases of pricing relief pursuant to Subpart H of the Commission's Part 69 Rules. Telephone Company MSAs which qualify for Phase II pricing relief are shown in (C) following which identifies the MSA Name, MSA identification number, level of pricing relief for the MSA, and the CLLI, State and price band for each wire center within the MSA. Wire centers within a non-qualifying, Phase II MSA are not subject to price banding and are not included in (C) following. Service provided from a wire center within a non-qualifying MSA is subject to the rates and charges set forth in Section 31. following. Service provided from a qualifying MSA is subject to the rates and charges set forth in Sections 30. and 31. as determined by the level of pricing relief described in (1) and (2) following.

## (1) Level 1 MSA Pricing

MSAs assigned to Level 1 pricing are those MSA which have achieved Phase II pricing relief for all rate elements associated with the portion of the transmission path connecting an Interexchange Carrier's Point of Presence to the wire center serving the secondary location involved (i.e., End User's designated premises). The rate elements associated with the transmission path are those rate elements applicable for the type of service involved, whether configured on a point-to-point basis or in a ring architecture. For example, a High Capacity 1.544 Mbps Service as set forth in Section 7.2.9 preceding is comprised of channel termination, channel mileage and optional features and functions or BSE rate elements. An OC12 DSR ring as set forth in Section 34.1 following is comprised of nodes, channel mileage and port rate elements.

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)

## (A) General (Cont'd)

## (1) Level 1 MSA Pricing (Cont'd)

Rates and charges for rate elements subject to Level 1 pricing are set forth in Section 30. following and are shown in terms of price bands. To determine the price band for a rate element, first locate the wire center in (C) following from which the service is provided and find the corresponding rate band. Rates and charges for the rate elements associated with connecting the secondary location to its serving wire center are shown in Section 31. following.

## (2) Level 2 MSA Pricing

MSAs assigned to Level 2 pricing are those MSAs which have achieved Phase II pricing relief for all rate elements associated with the end-to-end transmission path connecting the Interexchange Carrier's Point of Presence to the secondary location involved. The rate elements associated with the transmission path are those rate elements applicable for the type of service involved, whether configured on a point-to-point basis or in a ring architecture.

Rates and charges for rate elements subject to Level 2 pricing are set forth in Section 30. following and are shown in terms of price bands. To determine the price band for a rate element, first locate the wire center in (C) following from which the service is provided and find the corresponding rate band.

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## ACCESS SERVICE

15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)(B) Services Subject to MSA Price Banding

The Switched Access services, which are subject to MSA price bands, and which are also subject to Contract Tariff Options in those MSAs which qualify for Phase I or Phase II pricing relief, are as follows:

- Facilities Management Service
- Local Transport, Entrance Facilities
- Local Transport, Direct Trunked Transport
- Local Transport, Optional Features, Multiplexing

The Special Access services, which are subject to MSA price bands, and which are also subject to Contract Tariff Options in those MSAs which qualify for Phase I or Phase II pricing relief, are as follows:

- Bonded Digital Link Service
- Channel Extension Service
- DIGIROUTE<sup>SM</sup> Digital Service II
- Digital Data Service
- DOVROUTE<sup>SM</sup> Service
- Enterprise SONET Service
- Facilities Management Service
- High Capacity DS1 and DS3
- IntelliBeam Broadband Transport (IBT)
- IntelliBeam Dedicated SONET Ring (IDSR)
- IntelliBeam Entrance Facility
- IntelliBeam Optical Transport Service (IOTS)
- IntelliBeam Shared Assurance Network
- IntelliBeam Shared Single Path
- Internet Protocol Routing Service (IPRS)
- LAN Extension Service
- Metallic
- Non-Standard Premises Connection Charge
- FairPoint Enterprise FDDI Service
- FairPoint Enterprise Network Reconfiguration Service
- Program Audio Service
- Telegraph Service
- Dedicated SONET Ring (DSR)
- Optical Network
- Video and Advanced Video Services
- Voice Grade Service
- WATS Access Line

The Fast Packet services which are subject to Contract Tariff Options in those MSAs which qualify for Phase I pricing relief are as follows:

- Exchange Access Switched Multi-Megabit Data Service
- Exchange Access Frame Relay Service
- Exchange Access Asynchronous Transfer Mode Cell Relay Service
- ATM Cell Relay Service
- TransConnect LAN Service
- Internet Protocol – Virtual Private Network Service

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)(C) Rate Regulations

When the Interexchange Carrier's Point of Presence is located at an Expanded Interconnection multiplexing node or virtual collocation arrangement, price band rates and charges do not apply to the Office Channel Termination, Virtual Office Channel Termination or any other rate element associated with providing service to the Expanded Interconnection arrangement.

To determine the price band for the channel mileage rate element when the wire centers involved are located within different price bands, apply the rates and charges for the higher price band number. When one of the wire centers involved is subject to Section 30 price band rating and the other wire center involved is not subject to price band rating (i.e., rating from Section 31), the rates and charges applicable to the channel mileage element will be the Section 31 rates and charges for non-price banded elements. Pricing bands are further described in Section 7.1.2(B) preceding.

When service is provided under a Service Discount Plan as set forth in Section 7.4.10 preceding or a Commitment Discount Plan as set forth in Section 25. following, the discount percentage shall be applied to the rate applicable to the price band involved.

When service is provided as part of a Shared Use Arrangement, price band billing applies to both the switched access and the special access portion of the facility.

The application of rates and charges for service subject to MSA pricing relief are described in Sections 6.1.3 and 7.4.1 preceding.

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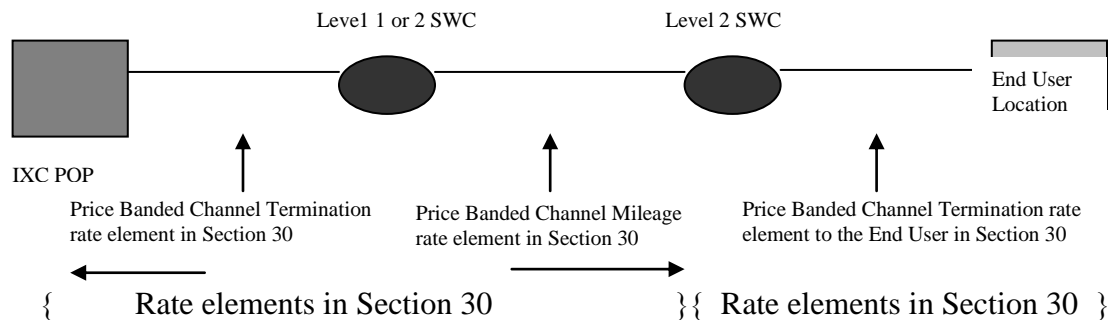
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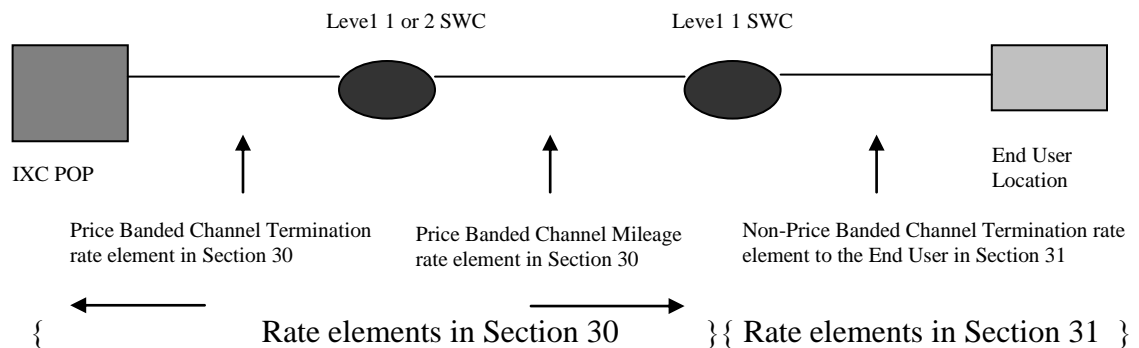
15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)(C) Rate Regulations (Cont'd)

The following examples depict the application of the rate elements associated with a typical Access Service subject to Level 1 or Level 2 pricing.

Example: Level 1 or 2 pricing at POP SWC to Level 2 pricing at EU SWC



Example: Level 1 or 2 pricing at POP SWC to Level 1 pricing at EU SWC



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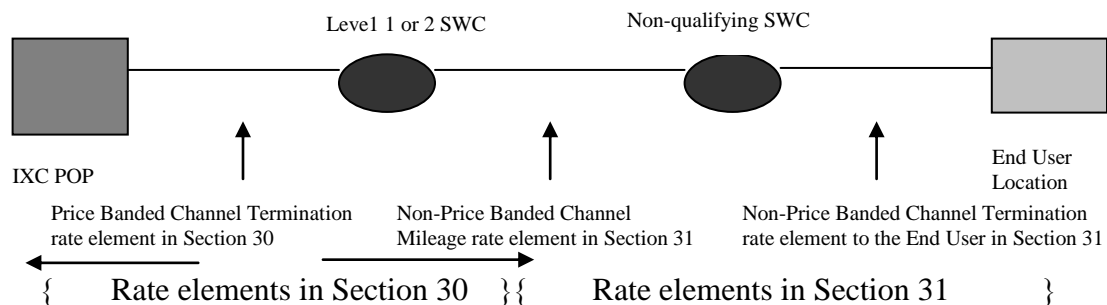
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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)(C) Rate Regulations (Cont'd)

The following examples depict the application of the rate elements associated with a typical Access Service subject to Level 1 or Level 2 pricing.

Example: Level 1 or 2 pricing at POP SWC to a Non-qualifying EU SWC



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<u>MSA ID</u>	<u>MSA Name</u>	<u>State</u>	<u>MSA Level</u>	<u>SWC CLLI</u>	<u>Price Band</u>
6	Boston MA-NH	NH	1	ATSNNHMA	6

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)

<u>MSA ID</u>	<u>MSA Name</u>	<u>State</u>	<u>MSA Level</u>	<u>SWC CLLI</u>	<u>Price Band</u>
6	Boston MA-NH	NH	1	CANDNHDE	6
6	Boston MA-NH	NH	1	DRFDNHCC	6
6	Boston MA-NH	NH	1	DRRYNHEB	6
6	Boston MA-NH	NH	1	EPNGNHMA	6
6	Boston MA-NH	NH	1	EXTRNHCE	6

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)

<u>MSA ID</u>	<u>MSA Name</u>	<u>State</u>	<u>MSA Level</u>	<u>SWC CLLI</u>	<u>Price Band</u>
6	Boston MA-NH	NH	1	HMPNNHWI	6
6	Boston MA-NH	NH	1	HMPSNHMA	6
6	Boston MA-NH	NH	1	KGTNNHBA	6

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)

<u>MSA ID</u>	<u>MSA Name</u>	<u>State</u>	<u>MSA Level</u>	<u>SWC CLLI</u>	<u>Price Band</u>
6	Boston MA-NH	NH	1	NWODNHYA	6
6	Boston MA-NH	NH	1	PLSTNHMA	6
6	Boston MA-NH	NH	1	PTMONHIS	6
6	Boston MA-NH	NH	1	RYBHNHCE	6
6	Boston MA-NH	NH	1	RYMNNHFL	6
6	Boston MA-NH	NH	1	SALMNHNB	6
6	Boston MA-NH	NH	1	SBRKNHNR	6

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)

<u>MSA ID</u>	<u>MSA Name</u>	<u>State</u>	<u>MSA Level</u>	<u>SWC CLLI</u>	<u>Price Band</u>
133	Manchester NH	NH	1	BDFRNHAM	6
133	Manchester NH	NH	1	GFTWNHWH	6
133	Manchester NH	NH	1	GNFDNHMA	6
133	Manchester NH	NH	1	GNVLNHAD	6
133	Manchester NH	NH	1	HNCCNHSC	6
133	Manchester NH	NH	1	MLFRNHSC	6
133	Manchester NH	NH	1	MNCHNHCO	6
133	Manchester NH	NH	1	MRMCNHYA	6
133	Manchester NH	NH	1	NASHNHGR	6
133	Manchester NH	NH	1	NASHNHWP	6
133	Manchester NH	NH	1	NBTNNHHP	6
133	Manchester NH	NH	1	PLHMNHBR	6
133	Manchester NH	NH	1	PTRBNHCO	6
152	Portland ME	ME	1	BATHMEHI	6
152	Portland ME	ME	1	BRTNMEFI	6
152	Portland ME	ME	1	BRWKMEEV	6
152	Portland ME	ME	1	BWHMMEMA	6
152	Portland ME	ME	1	CMLDMEMA	6
152	Portland ME	ME	1	FLMOMEDE	6
152	Portland ME	ME	1	FRPTMECU	6
152	Portland ME	ME	1	GRHMMECH	6
152	Portland ME	ME	1	GRTWMEA	6
152	Portland ME	ME	1	HRSNMEYA	6
152	Portland ME	ME	1	HRWLMEYA	6

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15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)

<u>MSA ID</u>	<u>MSA Name</u>	<u>State</u>	<u>MSA Level</u>	<u>SWC CLLI</u>	<u>Price Band</u>
152	Portland ME	ME	1	NDRGMEAU	6
152	Portland ME	ME	1	OXFRMEHI	6
152	Portland ME	ME	1	PHBGMESP	6
152	Portland ME	ME	1	PKISMEIS	6
152	Portland ME	ME	1	PTLDMEFO	6
152	Portland ME	ME	1	PWNLMEEL	6
152	Portland ME	ME	1	RCMDMESO	6
152	Portland ME	ME	1	SCBOMEBP	6
152	Portland ME	ME	1	SPLDMES	6
152	Portland ME	ME	1	WNHMMEGR	6
152	Portland ME	ME	1	WSBKMEAS	6
152	Portland ME	ME	1	YRMOMESO	6
156	Portsmouth NH-Rochester ME	ME	1	BDFRMEJE	6
156	Portsmouth NH-Rochester ME	NH	1	BNTONHPR	6
156	Portsmouth NH-Rochester ME	NH	1	DOVRNHTH	6
156	Portsmouth NH-Rochester ME	NH	1	DRHMNHMC	6
156	Portsmouth NH-Rochester ME	NH	1	FRTNNHMG	6
156	Portsmouth NH-Rochester ME	ME	1	GDMLMEDH	6
156	Portsmouth NH-Rochester ME	ME	1	KNBNMEGR	6
156	Portsmouth NH-Rochester ME	ME	1	KNPTMESC	6
156	Portsmouth NH-Rochester ME	ME	1	LMRCMEBS	6
156	Portsmouth NH-Rochester ME	NH	1	MLTNNHSI	6
156	Portsmouth NH-Rochester ME	NH	1	MTMLNHW	6
156	Portsmouth NH-Rochester ME	ME	1	NBRWMEWE	6
156	Portsmouth NH-Rochester ME	NH	1	NWMRNHGE	6
156	Portsmouth NH-Rochester ME	ME	1	OOBHMEPO	6
156	Portsmouth NH-Rochester ME	NH	1	ROCHNHW	6
156	Portsmouth NH-Rochester ME	ME	1	SBWKMEJE	6
156	Portsmouth NH-Rochester ME	NH	1	SMRSNHHI	6
156	Portsmouth NH-Rochester ME	ME	1	SNFRMECH	6
156	Portsmouth NH-Rochester ME	ME	1	WLLSMEYA	6
156	Portsmouth NH-Rochester ME	ME	1	YORKMELS	6
224	Bangor ME	ME	1	BNGRMEPA	6
224	Bangor ME	ME	1	BREWMECH	6
224	Bangor ME	ME	1	BRFRMEYA	6
224	Bangor ME	ME	1	CRNTMEMA	6
224	Bangor ME	ME	1	EDTNMEEE	6
224	Bangor ME	ME	1	EMLNMEBI	6
224	Bangor ME	ME	1	HERMMEBI	6
224	Bangor ME	ME	1	LNCLMEWB	6
224	Bangor ME	ME	1	MLNCMEPE	6
224	Bangor ME	ME	1	NWPTMEMA	6
224	Bangor ME	ME	1	OLTWMEBC	6
224	Bangor ME	ME	1	ORONMEFO	6
224	Bangor ME	ME	1	ORTNMECO	6
224	Bangor ME	ME	1	WNPTMEOA	6

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248	Burlington VT	VT	1	BURLVTMA	6
248	Burlington VT	VT	1	ESJTVTLI	6
248	Burlington VT	VT	1	FRFXVTMA	6
248	Burlington VT	VT	1	GDISVTYA	6
248	Burlington VT	VT	1	MLTNVTEL	6
248	Burlington VT	VT	1	SHLBVTPH	6
248	Burlington VT	VT	1	STALVTBA	6
248	Burlington VT	VT	1	SWTNVTYO	6
248	Burlington VT	VT	1	UNHLVTUC	6
248	Burlington VT	VT	1	WNSKVTWA	6
999.3	No MAS Vermont	VT	1	ARTNVTSC	6
999.3	No MAS Vermont	VT	1	BARNVTCH	6
999.3	No MAS Vermont	VT	1	BARRVTEL	6
999.3	No MAS Vermont	VT	1	BARTVTEL	6
999.3	No MAS Vermont	VT	1	BETHVTMA	6
999.3	No MAS Vermont	VT	1	BGTNVTPH	6
999.3	No MAS Vermont	VT	1	BLFLVTHE	6
999.3	No MAS Vermont	VT	1	BRBOVTMA	6
999.3	No MAS Vermont	VT	1	BRFDVTBC	6
999.3	No MAS Vermont	VT	1	BRFRVTPG	6
999.3	No MAS Vermont	VT	1	BRNDVTCA	6
999.3	No MAS Vermont	VT	1	CHLSVTMA	6
999.3	No MAS Vermont	VT	1	CNCRVTMA	6
999.3	No MAS Vermont	VT	1	CSTNVTSO	6
999.3	No MAS Vermont	VT	1	DAVLVTYA	6
999.3	No MAS Vermont	VT	1	DRBYVTMA	6
999.3	No MAS Vermont	VT	1	DRSTVTYA	6
999.3	No MAS Vermont	VT	1	EFFDVTMA	6
999.3	No MAS Vermont	VT	1	ENFLVTMA	6
999.3	No MAS Vermont	VT	1	FARLVTML	6
999.3	No MAS Vermont	VT	1	FRHNVMTA	6
999.3	No MAS Vermont	VT	1	GNBOVTGB	6
999.3	No MAS Vermont	VT	1	HRWKVTPK	6

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<u>MSA ID</u>	<u>MSA Name</u>	<u>State</u>	<u>MSA Level</u>	<u>SWC CLLI</u>	<u>Price Band</u>
999.3	No MAS Vermont	VT	1	ISPNVTAL	6
999.3	No MAS Vermont	VT	1	JAMCVTMA	6
999.3	No MAS Vermont	VT	1	JCVLVTSC	6
999.3	No MAS Vermont	VT	1	JFVLVTVA	6
999.3	No MAS Vermont	VT	1	JHSNVTRA	6
999.3	No MAS Vermont	VT	1	LNBGVTEC	6
999.3	No MAS Vermont	VT	1	LYVLVTCE	6
999.3	No MAS Vermont	VT	1	MDLBVTCC	6
999.3	No MAS Vermont	VT	1	MNCHVTSC	6
999.3	No MAS Vermont	VT	1	MRGNVTTO	6
999.3	No MAS Vermont	VT	1	MRVLVTUN	6
999.3	No MAS Vermont	VT	1	MTPLVTSC	6
999.3	No MAS Vermont	VT	1	NWBYVTPC	6
999.3	No MAS Vermont	VT	1	NWFNVTYA	6
999.3	No MAS Vermont	VT	1	NWPTVTSE	6
999.3	No MAS Vermont	VT	1	ORLNVTIR	6
999.3	No MAS Vermont	VT	1	PLFDVTYA	6
999.3	No MAS Vermont	VT	1	PLTNVTBE	6
999.3	No MAS Vermont	VT	1	PRCTVTPI	6
999.3	No MAS Vermont	VT	1	PTFDVTMA	6
999.3	No MAS Vermont	VT	1	PTFRVTYA	6
999.3	No MAS Vermont	VT	1	PTNYVTCH	6
999.3	No MAS Vermont	VT	1	PWNLVTBE	6
999.3	No MAS Vermont	VT	1	RCFRVTIN	6
999.3	No MAS Vermont	VT	1	RDBOVTTU	6
999.3	No MAS Vermont	VT	1	RDNGVTMI	6
999.3	No MAS Vermont	VT	1	RNDHVTPL	6
999.3	No MAS Vermont	VT	1	ROCHVTSP	6
999.3	No MAS Vermont	VT	1	RPRTVTGR	6
999.3	No MAS Vermont	VT	1	RTLDVTWE	6
999.3	No MAS Vermont	VT	1	SLBRVTBA	6
999.3	No MAS Vermont	VT	1	SLNDVTYA	6
999.3	No MAS Vermont	VT	1	SRTNVTAR	6
999.3	No MAS Vermont	VT	1	SRYLVTYA	6

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## ACCESS SERVICE

15. Operating Territory and Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)15.2 Metropolitan Statistical Areas of the FairPoint Telephone Companies (Cont'd)

<u>MSA ID</u>	<u>MSA Name</u>	<u>State</u>	<u>MSA Level</u>	<u>SWC CLLI</u>	<u>Price Band</u>
999.3	No MAS Vermont	VT	1	SSFRVTYA	6
999.3	No MAS Vermont	VT	1	STBYVTSM	6
999.3	No MAS Vermont	VT	1	STOWVTHI	6
999.3	No MAS Vermont	VT	1	TNBRVTYA	6
999.3	No MAS Vermont	VT	1	TROYVTYA	6
999.3	No MAS Vermont	VT	1	VRGSVTMO	6
999.3	No MAS Vermont	VT	1	WBURVTYA	6
999.3	No MAS Vermont	VT	1	WDSTVTGO	6
999.3	No MAS Vermont	VT	1	WLMGVTDA	6
999.3	No MAS Vermont	VT	1	WLTWVTLA	6
999.3	No MAS Vermont	VT	1	WNDSVTPI	6
999.3	No MAS Vermont	VT	1	WRBOVTYA	6
999.3	No MAS Vermont	VT	1	WRJTVTGA	6
999.3	No MAS Vermont	VT	1	WRTLVTBA	6
999.3	No MAS Vermont	VT	1	WTRBVTSW	6

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## ACCESS SERVICE

16. Equal Access Cost Recovery16.1 General Description

Equal Access Cost Recovery (EACR) is a monthly charge assessed to Interexchange Carriers (ICs) who obtain Feature Group D or CST BSA - Option 3 Switched Access Service, hereinafter referred to as equal access.

16.2 Rate Regulations

16.2.1 The EACR monthly charge is based on the total number of equal access lines, as set forth in 16.2.2 following, and the total number of presubscribed equal access lines, as set forth in 16.2.3 following.

16.2.2 The total number of equal access lines in a LATA is all in-service lines and trunks provided at end user locations and served by end offices equipped with equal access.

16.2.3 The total number of presubscribed equal access lines is the sum of (1) all equal access lines and trunks in a LATA for which customers have designated an IC as the predesignated carrier and (2) all equal access lines and trunks in a LATA which are not presubscribed to an IC but continue to have access to interstate MTS/WATS without dialing an IC's access code.

16.2.4 For each IC which obtains Feature Group D or CST BSA - Option 3, the Telephone Company will determine the percent applicable to that IC on a LATA wide basis. The percent will be calculated by dividing the total number of presubscribed equal access lines and trunks presubscribed to that IC by the total number of presubscribed equal access lines. The total number of presubscribed equal access lines presubscribed to the IC which provides interstate MTS/WATS also includes all lines and trunks as set forth in 16.2.3(2) preceding. The IC percent will be calculated separately for each LATA in which the IC obtains Feature Group D or CST BSA - Option 3. The Telephone Company will adjust the percent applicable to each IC on a monthly basis.

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## ACCESS SERVICE

16. Equal Access Cost Recovery (Cont'd)16.3 Rate Application

The EACR monthly charge is assessed to each IC as follows: the IC's percent of total number of presubscribed equal access lines in a LATA is applied to the total number of equal access lines within that LATA, and then multiplied by the monthly rate per equal access line.

Monthly EACR Charge =

Interexchange Carrier's % total number of presubscribed equal access lines X total number of equal access lines X monthly rate per equal access line.

Rates and charges for Equal Access Cost Recovery are found in Section 31.16 following.

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## ACCESS SERVICE

17. Packet Switching Access Service

## MAPPING OF BASIC SERVICE ELEMENTS

The following is a list of the FairPoint Telephone Companies Open Network Architecture (ONA) Packet Switched Service optional features which were presented as Basic Service Elements (BSEs) in the NYNEX ONA Plan. This list provides a mapping from the industry standard feature name to the feature name utilized in this tariff.

<u>Industry Standard</u>	<u>FairPoint Telephone Companies</u>
Call Detail Recording Reports	Call Detail
Call Redirection	Call Redirection
Closer User Groups	Closed User Groups
Incoming Calls Barred	Incoming Calls Barred
Outgoing Calls Barred	Outgoing Calls Barred
Default Window Size	Default Window Size
Direct Call	Auto-Connect NUI
Fast Select Acceptance	Fast Select Accept
Fast Select Request	Fast Select Request
Hunt Groups	Hunting

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)

## MAPPING OF BASIC SERVICE ELEMENTS (Cont'd)

<u>Industry Standard:</u>	<u>FairPoint Telephone Companies</u>
Logical Channel Layout	1 Way Logical Channel Incoming
Logical Channel Layout	1 Way Logical Channel Outgoing
Logical Channels	Additional Logical Channels
N/A	Default Packet Size
N/A	Network user Identifier (NUI) Code
Permanent Virtual Circuit	Permanent Virtual Circuit
Preselection for Data Services	RPOA Preselection
Reverse Charge Acceptance	Reverse Charge Acceptance
Reverse Charge Request Option	Reverse Charge Request

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.1 General

Packet Switching Access Service provides for the transport of relatively short bursts of data over a packet network. The data are separated into discrete segments called packets for high speed transmission through a packet network. The Telephone Company offers the following types of Packet Switching Access Services:

DATAFLASH<sup>SM</sup> \* packet switching service

17.1.1 Description

## (A) Packet Network Components

A packet network consists of three major components which are Access Concentrators, Packet Switches and Network Facilities. Access Concentrators aggregate traffic from multiple customers onto the packet network. Packet Switches perform routing and interfacing functions for the packet network. The Network Facilities interconnect the Access Concentrators and Packet Switches enabling packets to be transmitted throughout the packet network.

## (B) Network Access

- (1) The DATAFLASH<sup>SM</sup> \* packet switching service network is accessed through a port on either an access concentrator or a packet switch. Customers with low to medium throughput transmission requirements access the network through a port on an access concentrator at data rates of up to 9.6 kilobits per second (kbps). Customers with high throughput transmission requirements access the network through a port on a packet switch at data rates of 9.6 or 56 kbps.

\* Service availability limited. Refer to # footnote on Original Page 17-9.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.1 General (Cont'd)17.1.1 Description (Cont'd)

## (C) Network Address

Each port includes one network address which is a ten-digit Data Terminal Number (DTN) that identifies the logical channels of that port.

For DATAFLASH<sup>SM</sup> \* packet switching service, additional network addresses may be ordered under the Multiple Network Address Optional Feature as specified in 17.2.1 following. In this case, the first network address established per port will be designated as the primary network address. Additional network addresses at the same customer designated premises will hunt with the primary network address. Hunting enables the customer to achieve maximum call connection efficiency.

\* Service availability limited. Refer to # footnote on Original Page 17-9.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.1 General (Cont'd)17.1.1 Description (Cont'd)

## (D) Protocol

(1) DATAFLASH<sup>SM</sup> \* Packet Switching Service

The DATAFLASH<sup>SM</sup> \* packet switching service network is compatible with asynchronous, X.25 and X.75 protocol transmission. All packets are interleaved (statistically multiplexed) on the network facilities as they are transmitted. The Telephone Company will provide a Default Packet Size of 128 octets for both directions of transmission. To ensure compatibility with Data Terminal Equipment (DTE), the customer can specify a Packet Size of 128 or 256 octets for one or both directions of transmissions.

Routing and control information (packet header) is automatically inserted at the beginning of each packet, and error detection information (packet trailer) is automatically inserted at the end of each packet. Complete with this information, the entire packet is routed through the network to its intended destination.

Error checking is performed on each packet as it is transmitted through the network. If a packet and/or format error is detected, the sending equipment is automatically instructed to retransmit the message. A message may consist of a single packet or multiple packets.

Window Size is the maximum number of unacknowledged packets allowed without a confirmation of receipt. The Telephone Company will provide a Default Window Size of two packets for both directions of transmission. To ensure compatibility with DTE, the customer may specify a Window Size from two up to seven packets for one of both directions of transmission.

Customers must provide Data Terminal Equipment (DTE) in conformance with the interface specifications as described in Technical Reference NTR-74250 (X.25 Protocol), TR-TSY-000461 (X.75 Protocol) and NTR-74252 (Asynchronous Protocol).

\* Service availability limited. Refer to # footnote on Original Page 17-9.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.1 General (Cont'd)17.1.1 Description (Cont'd)

## (E) Types of Service Configurations

There are two types of configurations for Packet Switching Access Services: Switched Virtual Circuit (SVC) Permanent Virtual Circuit (PVC). For DATAFLASH<sup>SM</sup> \* packet switching service, each configuration must be designated as having one-way logical channel incoming, one-way logical channel outgoing or two-way calling.

## (1) Switched Virtual Circuit (SVC)

Switched Virtual Circuit configurations are standard for DATAFLASH<sup>SM</sup> \* packet switching service and allow the customer to establish a call to another point on the network by utilizing a temporary switched data connection. The user inputs the network address of the Data Terminal Equipment (DTE being called along with other information required for the call. The network processes a call set-up packet to the called network address. After the call is connected and accepted by called party, a call-connected packet is sent to the calling DTE indicating that call is connected. If for any reason the call cannot be connected, a message is sent to the calling DTE identifying the reason.

## (2) Permanent Virtual Circuit (PVC)

Permanent Virtual Circuit configurations are an option for DATAFLASH<sup>SM</sup> \* packet switching service. PVCs provide the electronic equivalent of a two-point private line between two ports which must be specified by their network addresses at the time of subscription. While no physical circuits are dedicated, the two network addresses are connected electronically to form a PVC. No call establishment (i.e. call set-up packet) is required for a PVC. For customers subscribing to DATAFLASH<sup>SM</sup> \* packet switching service, the PVC option is specified in 17.2.1 following.

\* Service availability limited. Refer to # footnote on Original Page 17-9.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.1 General (Cont'd)17.1.2 Regulations

- (A) The regulations specified herein are in additional to other applicable regulations specified in other sections of this tariff.
- (B) Packet Switching Access Service will be furnished only when the customer has subscribed to an adequate number of port connections or logical channels as established by the Company to accommodate the service requested, i.e., originating, terminating or two-way calling, without impairing the network.

## (C) Service Availability

All rates and charges set forth provide for the furnishing of Packet Switching Access Services where suitable facilities are available as specified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4, unless otherwise specified herein.

## (D) Construction of Facilities

The regulations, rate and charges for special construction are set forth in Section 20.

## (E) Failure of Service

For a failure of a Packet Switching Access Service port, credit will be applied according to Section 2.8.1.1(B)(1) and (4) as appropriate.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.1 General (Cont'd)17.1.2 Regulations (Cont'd)

## (F) Minimum Period and Fractional Rates and Charges

The minimum period for which DATAFLASH<sup>SM</sup> \* packet switching service is furnished and for which charges are applicable is specified in Section 2. of this tariff.

## (G) Cancellation or Change of Application Prior to Establishment of Service

When an application for service is canceled or changed in whole or in part by, or on behalf of, the applicant prior to completion of construction and installation, the General Regulations contained in Section 5., Paragraphs 5.2.2 and 5.2.3 apply.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service#17.2.1 Synchronous Service Components

There are three categories of service components which apply to synchronous DATAFLASH<sup>SM</sup> packet switching service.

Port Connections  
Network Usage  
Optional Features

## (A) Port Connections

There are two types of port connections: The Access Concentrator Port Connection and the Packet Switch Port Connection. These port connections and protocols are as follows.

## (1) Access Concentrator Port Connection (Low to Medium Throughput)

An Access Concentrator Port Connection provides the customer with dedicated access to a port on the access concentrator at transmission speeds of up to 9.6 kbps using a Voice Grade Channel or DIGIRoute<sup>SM</sup> digital service II (DDS II) Channel are specified in Section 7. The technical specifications defined under optional features in Section 7. apply for channels provided to the port connections. Each port connection includes one logical channel. The customer may, at its option, order up to 31 Additional Logical Channels as specified in 17.2.1(C)(1) following. The maximum number of logical channels available is 32 per port.

The Access Concentrator Port Connection has originating and terminating capabilities utilizing X.25 or X.75 Protocol.

# Effective: May 21, 2005, this service is no longer available to any customer who is not a customer as of May 21, 2005. Effective: May 21, 2005, existing customers may not make additions, moves, or changes to this service or submit any new orders for this service.



## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.1 Synchronous Service Components (Cont'd)

## (A) Port Connections (Cont'd)

## (1) Access Concentrator Port Connection (Low to Medium Throughput) (Cont'd)

## (a) X.25 Protocol

X.25 Protocol enables the customer to establish up to 32 multiple virtual communication links from the customer's premises through the packet switching network.

X.25 Protocol Access Concentrator Port Connections are available as specified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

## (b) X.75 Protocol

X.75 Protocol supports throughput communications from the packet network to an internetwork carrier.

X.75 Protocol Access Concentrator Port Connections are available in the following exchanges.

Burlington, VT  
Manchester, NH  
Portland, ME

# Service availability limited. Refer to # footnote on Original Page 17-9.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.1 Synchronous Service Components (Cont'd)

## (A) Port Connections (Cont'd)

## (2) Packet Switch Port Connection (High Throughput)

The Packet Switch Port Connection provides a direct connection between a customer's premises and a port on the packet switch at transmission speeds of 9.6 or 56 Kbps via a Special Access Voice Grade, Digital Data or DIGIROUTE<sup>SM</sup> digital service II (DDS II) channel as specified in Section 7. The technical specifications defined under optional features in Section 7. apply for channels provided to the port connection.

The packet Switch Port Connection has the capability of establishing multiple communication links from the customer's premises through the packet switching network and is available with either X.25 or X.75 protocol. The X.25 and X.75 protocols provide the capability of establishing multiple virtual communication links from the customer's premises through the packet switching network.

The maximum number of logical channels available is 127 channels per port at 9.6 kbps and 511 channels per port at 56 kbps. The port charge includes one logical channel with the option of purchasing additional logical channels.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.1 Synchronous Service Components (Cont'd)

## (B) Network Usage

Network usage charges may be billed to either the originator or receiver of the call on a per call or full-time basis. The customer may invoke Reverse Charge Request which is a one-time request for the receiver of the call to accept billing for the usage charges accrued during the call. Reverse Charge Request is made on a per call basis during call establishment with the call set-up packet. Reverse Charge Acceptance allows for full-time reverse charge billing and is established at the time of subscription. With Reverse Charge Acceptance, the customer will be billed for all usage either originating or terminating on the specified port.

The customer may establish a preferred Recognized Private Operating Agency (RPOA) at the time of subscription which ensures that each internetwork call be routed to the customer's preferred internetwork carrier. The customer may override its RPOA Preselection on a per call basis by invoking a Reverse Charge Request to another RPOA.

Packet switching network usage is aggregated per billing month. When more than 2500 kilopackets are transmitted in a billing month, rates are discounted as set forth in Section 31.17. following. Call Detail is provided as a chargeable optional feature.

Network Usage on the DATAFLASH<sup>SM</sup> packet switching network is comprised of Call Set-Up and Packet Transport as described following.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.1 Synchronous Service Components (Cont'd)

## (B) Network Usage (Cont'd)

## (1) Call Set-Up

Call Set-Up initiates a request on a Switched Virtual Circuit for the establishment of a virtual channel for the duration of the call. Call Set-Up is charged on a per call basis. An additional Call Set-Up packet charge applies per call redirected when the customer subscribes to Call Redirection.

## (2) Packet Transport

Packet Transport provides for the routing of packets over the packet switching network. Usage charges are based on the number of packets transmitted (either sent or received) while the call is on the DATAFLASH<sup>SM</sup> packet switching service network. The minimum unit of billing is a kilopacket. For billing purposes, a packet consists of up to 128 characters of user data.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.1 Synchronous Service Components (Cont'd)

## (C) Optional Features

Optional Features provide the customer with additional capabilities for interaction with the DATAFLASH<sup>SM</sup> packet switching service network and should be selected by the customer at the time of subscription. Except for Call Redirection, nonrecurring charges do not apply when optional features are ordered in conjunction with the initial DATAFLASH<sup>SM</sup> packet switching service. When ordered subsequent to the initial DATAFLASH<sup>SM</sup> Packet Switching Service, Optional Feature or Interface Option Change Charges apply as shown in Section 31.17. following.

- (1) Additional Logical Channel - (USOC-LD9AL) - Allows the customer to simultaneously operate multiple channels on a single port.
- (2) Closed User Group - (USOC-LDJ) - Allows the customer to establish a sub-network among a restricted number of other users within the DATAFLASH<sup>SM</sup> packet switching service network who can communicate privately with each other. Members of the closed user group may be designated as having Incoming Calls Barred, Outgoing Calls Barred, Fully Restricted access or Unrestricted access.
- (3) Call Detail - (USOC-MAJ1T, MAJ1P) - Provides for magnetic tape or printed detail of each call billed to the customer for use of the DATAFLASH<sup>SM</sup> packet switching service network. This optional feature is available on either a continuous monthly basis or on a per request basis.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.1 Synchronous Service Components (Cont'd)(C) Optional Features (Cont'd)

- (4) Fast Select Accept/Request - Allows up to 124 octets of user data to be included in the call set-up packet of the call connected packet. When the customer subscribes to Fast Select, Fast Select Accept capabilities are established for the port. Fast Select Accept allows a customer to receive user data in the call set-up packet and is required for use of Fast Select Request. Fast Select Request is invoked on a per call basis. A charge applies for Fast Select Request on a per call basis and includes call set-up charges.
- (5) Multiple Network Address - (USOC-LDQ) - Allows a customer to subscribe to additional data terminal numbers in groups of 10. These numbers can be used with existing packet network connections and allow messages to be delivered to the customer's prespecified destinations. Multiple Network Addresses hunt in conjunction with the primary network address. Hunting provides for maximum call connection efficiency.
- (6) Permanent Virtual Circuit - (USOC-LDV) A circuit which is the electronic equivalent of a dedicated private line between two destination network addresses.
- (7) Call Redirection - (USOC-LRD) An option which permits calls made to the primary host (computer) location to be redirected to an alternate host location in the event of a failure or busy condition.
- (8) Abbreviated Addressing - (USOC-LJE) Allows the customer to specify an alpha-numeric code of two up to four characters as the network address.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.2 Asynchronous Service Components

## (A) Description

Asynchronous transmission is a form of communications whereby each data character is individually synchronized by means of start and stop elements. The General provisions for DATAFLASH<sup>SM</sup> packet switching services as shown in 17.1 preceding apply to asynchronous service, as appropriate.

Asynchronous service supports start-stop mode operation with ASCII codes at speeds up to 9.6 kilobits per second (kbps). With asynchronous access, the access concentrator will perform a built-in Packet Assembler/Disassembler (PAD) function to convert the data into packets utilizing a common protocol (X.25) and route them through the network to the specified destination.

The customer must provide Data Terminal Equipment (DTE) in conformance with the interface specifications as described in Technical Reference NTR-74252 (Asynchronous Protocol).

## (B) Service Components

There are three categories of service components which apply to asynchronous DATAFLASH<sup>SM</sup> packet switching service.

Access Concentrator Port Connections  
Network Usage  
Optional Features

## (1) Access Concentrator Port Connections

There are three types of Port Connections: The Public Dial Access Port Connection, the Private Dial Access Port Connection and the Dedicated Access Port Connection. These connections are described as follows.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.2 Asynchronous Service Components (Cont'd)

## (B) Service Components (Cont'd)

## (1) Access Concentrator Port Connections (Cont'd)

## (a) Public Dial Access Port Connection

Dial Access, for originating calls only, is initiated by dialing an DATAFLASH<sup>SM</sup> packet switching service network number via an exchange line. Applicable message unit and toll charges apply for each completed call to the DATAFLASH<sup>SM</sup> packet switching service network access number. Dial access supports asynchronous protocol and transmission speeds of up to 2.4 kbps.

A Network User Identifier (NUI) Code is required for log-on to the network if usage charges are to be billed to the originator. A NUI is an alphanumeric code which identifies the user to the DATAFLASH<sup>SM</sup> packet switching service network.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.2 Asynchronous Service Components (Cont'd)

## (B) Service Components (Cont'd)

## (1) Access Concentrator Port Connections (Cont'd)

## (b) Private Dial Access Port Connections

## (i) Private Dial-In Access Port Connections

The Private Dial-In Access Port Connection is the same as the Public Dial Access Port Connection except that it is dedicated to one customer. A separate business line with dial-up network exchange capability, excluding Centrex, FGA and CSL BSA, is required to provide the customer who subscribes to the private dial port with a connection from the central office switch to Access Concentrator. The customer who subscribes to the private dial port is responsible for the additional line. Private Dial-In Access supports asynchronous protocol with transmission speeds of up to 9.6 kbps.

The Network User Identifier code for log-on to the network is an optional feature.

For Private Dial-In Access, the port charge is billed at a fixed monthly rate.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.2 Asynchronous Service Components (Cont'd)

## (B) Service Components (Cont'd)

## (1) Access Concentrator Port Connections (Cont'd)

## (b) Private Dial Access Port Connections (Cont'd)

## (ii) Private Dial-Out Access Port Connections

The Private Dial-Out Access Port Connection enables a customer to place a call to an address outside of the packet network (i.e. a destination on the switched network) via the access concentrator. This port connection is dedicated to one customer and supports transmission speeds up to 2.4 kbps. A separate business line, with dial-up network exchange capability, excluding Centrex and Line Side Switched Access Services, is required to connect the central office switch to the access concentrator. The customer who subscribes to the Private Dial-Out Access Port Connection is responsible for the additional business line.

The Network User Identifier (NUI) Code for log-on to the network is an optional feature.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.2 Asynchronous Service Components (Cont'd)

## (B) Service Components (Cont'd)

## (1) Access Concentrator Port Connections (Cont'd)

## (c) Dedicated Access Port Connection

Provides dedicated access from a customer designated premises to a port on the access concentrator at transmission speeds of up to 9.6 kbps using Voice Grade Channels as specified in Section 7.

## (2) Network Usage

Network Usage for asynchronous service is the same as for network usage for synchronous service, as described in 17.2.1(B) preceding. Usage charges may be billed to the originator or receiver of the call.

## (3) Optional Features

- (a) Network User Identifier (NUI) Code - A NUI is an alphanumeric code which identifies the user to the DATAFLASH<sup>SM</sup> packet switching service network. The code is stored in one Access Concentrator unless storage in additional Access Concentrators is specified. A customer may specify a NUI as Auto-Connect which allows a frequently called network address to be automatically connected when the Auto-Connect NUI is entered. This option is available for private dialed ports only.

# Service availability limited. Refer to # footnote on Original Page 17-9.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.2 Asynchronous Service Components (Cont'd)

## (B) Service Components (Cont'd)

## (3) Optional Features (Cont'd)

## (a) (Cont'd)

Usage charges for originating calls will be billed to the NUI unless otherwise specified. A NUI customer may invoke Reverse Charge Request on a per call basis during call establishment with the call set-up packet. At the time of subscription, a customer subscribing to the NUI Optional Feature may make a Recognized Private Operating Agency (RPOA) Preselection to transport its internetwork calls.

## (b) The following optional features are available with asynchronous service at rates and charges as specified in Section 31.17. following.

Fast Select Accept/Request  
Call Detail  
Call Redirection

# Service availability limited. Refer to # footnote on Original Page 17-9.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.3 Feature-Based Payment Option

## (A) General

- (1) The Feature-Based Payment Option (FPO) is an optional method of payment for customers who commit to a minimum of 2,500 kilopackets of usage per month.
- (2) The FPO allows the customer to pay for a system-specific configuration, optional features and monthly usage under a service contract.
- (3) The customer may request to recontract DATAFLASH<sup>SM</sup> packet switching service at any time during the service contract period. A new contract for the system begins the day following the completion of the conversion order at the currently Effective: charges. A charge for the conversion order will be specified in the contract. The customer is not billed any one-time or nonrecurring charges previously paid.
- (4) Upon expiration of an FPO Service Contract period, the customer may elect to continue service on a month-to-month basis or continue service in accordance with a new FPO agreement.

## (B) Rates and Charges

- (1) The rates and charges for customers under the FPO are contained in Section 31.17 following. The rates and charges are based on the customer's system-specific configuration including any associated optional features and monthly usage. All customers under the FPO must commit to and pay monthly rates for a minimum usage of 2,500 kilopackets per month. These FPO rates and charges are in addition to the appropriate rates and charges for all access arrangements (facilities from the customer's premises to the DATAFLASH<sup>SM</sup> packet switching service network) and for other associated optional features and services not covered by the FPO as specified elsewhere in the tariff.

# Service availability limited. Refer to # footnote on Original Page 17-9.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)17.2.3 Feature-Based Payment Option (Cont'd)

## (B) Rates and Charges (Cont'd)

- (2) The customer may elect to pay FPO billing for committed charges as specified in Section 31.17. following. The appropriate time value of money equivalency factor, based on a monthly Effective: interest rate specified in the contract which is multiplied by the upfront payment charge to determine the monthly rates for optional payment periods. These payments are not subject to Company-initiated change during the period of the contract.
- (3) FPO billing for the monthly service rate as specified in Section 31.17. following applies as long as the system under contract remains in service. This recurring monthly charge is subject to annual change by filed tariff revision to reflect changes in the Consumer Price Index for the previous calendar year.
- (4) The FPO service contract includes services for an entire system.
- (5) With the written permission of the Company, the obligation to pay contractual charges may be assigned to another customer at the same location for a fee of \$100 payable by the new customer. In addition to assuming responsibility to pay the contractual charges, the new customer assumes the conditions applicable to DATAFLASH<sup>SM</sup> packet switching service at the time of the transfer. A transfer of service between customers at the same time as a relocation is not permitted.

(C) Subsequent Additions or Changes

Service may be added to or changed in an existing FPO system in accordance with individually developed rates and charges as specified in Section 31.17.

# Service availability limited. Refer to # footnote on Original Page 17-9.

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ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)

17.2 DATAFLASH<sup>SM</sup> Packet Switching Service# (Cont'd)

17.2.3 Feature-Based Payment Option (Cont'd)

(D) Discontinuance of Service

In the event of a complete discontinuance of service prior to the expiration of a FPO service contract, the customer is required to pay the present value of any outstanding payments for committed amounts. Any partial discontinuance of service will not change FPO billing for the remaining life of the service contract.

# Service availability limited. Refer to # footnote on Original Page 17-9.

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ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)

17.3 Reserved for Future Use

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ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)

17.4 Reserved For Future Use

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## ACCESS SERVICE

## 17. Packet Switching Access Service (Cont'd)

17.5 IP (Internet Protocol) Routing Service17.5.1 Service Description

The Telephone Company's IP (Internet Protocol) Routing Service, IPRS, provides for the collection, concentration and management of the customer's data traffic within a LATA. IPRS consists of network routers located at LATA hub sites that will collect the customer's end user data traffic and concentrate it for connection and transport over the Telephone Company's fast packet data network to a customer's designated location.

The customer has the option of utilizing, as a feature of IPRS, Single Number Routing (SNR) in lieu of local telephone numbers, which are included as part of IPRS. This option provides for all end users in a defined geographic area (i.e., a LATA) to have access to the customer via one specialized telephone number. The end user can initiate a call within the service area to the customer, and the call will be treated as a local call by the Telephone Company for the connection and duration of the call. This option (which is assigned USOC NSO1X) is part of the standard IPRS offering and is included in the rates and charges for IPRS at no additional charge.

The following two alternatives are offered to the customer under this option:

The Telephone Company will assign a Single Number Routing telephone number from a 500 NPA; or

The customer can provide the Telephone Company with its own 555-XXXX telephone number acquired from the North American Numbering Plan Administration.

For those customers that opt for Single Number Routing, the Telephone Company will provision either a single 500 or 555 telephone number. If the customer requests additional 500 or 555 telephone numbers, special assembly charges will apply.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.5 IP (Internet Protocol) Routing Service (Cont'd)17.5.1 Service Description (Cont'd)

IPRS provides two types of ports for the collection of end user data traffic. The port type(s) is/are determined by the method(s) chosen by the customer for access to its end user(s). The two port types are:

1. Dial-up Port
2. IPRS DS1/1.544 Mbps Port\*

The dial-up port type is intended for use with a single computer connection and not for connection to a Local Area Network (LAN).

IPRS does not include the end user access service. End user services and facilities are available from this and other public telephone network tariffs.

IPRS requires the use of RADIUS (Remote Authentication Dial-In User Service), a network security protocol, for the customer's authentication and authorization of its dial-up end user(s). See Section 17.5.2 following for technical references.

\* Effective: September 15, 2001, the IPRS DS1/1.544 Mbps Port will no longer be available for new service requests.

## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.5 IP (Internet Protocol) Routing Service (Cont'd)17.5.1 Service Description (Cont'd)

Maintenance and upgrades for IPRS are performed during the hours of 11:00 p.m.. and 8:00 a.m. At times, during the hours of maintenance activity, it will be necessary to place a customer's service in an inactive or out-of-service condition. The amount of time that this scheduled out-of-service condition will exist is called a "maintenance window." The Telephone Company will provide the customer notice prior to the maintenance window and will work cooperatively with the customer to minimize service disruption. Maintenance window activity could be scheduled for consecutive days.

17.5.2 Technical Specifications

IPRS is provided in compliance with standards established by the Internet Architecture Board as stated in the following publications:

STD 0001, Internet Official Protocol Standards; J Postel, Editor, issued June 1997.

RFC 2138, Remote Authentication Dial-In User Service (RADIUS); C. Rigney, A. Rubens, W. Simpson, S. Willens., issued April 1997.

17.5.3 Terms and Conditions

- (A) IPRS is a hubbed service. Included, for provisioning purposes only and subject to facilities, are 10-digit number triggers, which are POTS telephone numbers established in all Telephone Company end offices. A 10-digit number trigger provides for an incoming call to an IPRS dial-up port to be routed to a specific IPRS hub using Telephone Company routing tables. The USOC TGRAR is used to indicate and reserve a customer's 10-digit number trigger(s). IPRS hub wire centers are designated in (B) following.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.5 IP (Internet Protocol) Routing Service (Cont'd)17.5.3 Terms and Conditions (Cont'd)

<u>(B) LATA</u>	<u>Hub Wire Center</u>	<u>Service Availability</u>
Maine	Augusta	June 1999
Maine	Portland	May 1999
Maine	Ellsworth	January 2001
Maine	Lewiston	December 2000
New Hamp.	Manchester	May 1999
New Hamp.	Nashua	June 1999
Vermont	Burlington	June 1999
Vermont	Montpelier	June 1999
Vermont	St. Johnsbury	October 2000
Vermont	Brattleboro	January 2001
Vermont	Rutland	January 2001

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17. Packet Switching Access Service (Cont'd)

17.5 IP (Internet Protocol) Routing Service (Cont'd)

17.5.3 Terms and Conditions (Cont'd)

- (C) IPRS is available on a month-to-month basis and for commitment periods of 3 years and 5 years.
- (D) Month-to-month service is subject to a minimum service period of 12 months.
- (E) Customers electing a 3-year or 5-year term must also select a minimum port volume for the service period.
- (F) IPRS is provided on a negotiated service date interval.
- (G) IPRS is monitored and maintained 24 hours-a-day 7 days-a-week for trouble isolation and resolution.
- (H) The customer is responsible for purchasing an adequate quantity of ports to accommodate originating dial-up traffic, which is delivered to the selected IPRS hub(s) for aggregation and routing to the customer's host location. A Port Capacity Report, furnished by the Telephone Company, that indicates 100% utilization for 30 minutes or more during any one-week period will require the customer to augment their port capacity accordingly in the affected hub(s).

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.5 IP (Internet Protocol) Routing Service (Cont'd)17.5.4 Rate Regulations

- (A) All rate categories are billed monthly.
- (B) Nonrecurring charges apply for the installation of each port, as set forth in Section 30.17.6 following for price band charges and 31.17.6 following for all other charges.  
  
A conversion of service to a new commitment period of equal or greater length than the remainder of the existing term does not incur nonrecurring charges for the existing port.
- (C) When a customer's commitment period ends, the rates associated with the quantity of ports installed under such commitment period will remain in effect.
- (D) Termination liability applies when a port is disconnected prior to the end of the minimum service period or prior to the end of the selected commitment period. Liability is assessed as follows:

Month-to-Month Service: The customer is responsible for 100% of the monthly rates for the entire 12-month minimum service period.

3 and 5-Year Terms: The customer is responsible for 100% of the monthly rate for the first months and 15% of the remaining monthly charges.

Termination liability is waived if a port is converted to another term of equal or greater value in revenue than the remainder of the present term.

Termination liability is waived when a customer replaces one port for another type and commits to a term of equal or greater value in revenue than the remainder of the current commitment. The replacement is subject to applicable nonrecurring charges.

If the customer's recurring rate increases, the customer may discontinue service without liability.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.5 IP (Internet Protocol) Routing Service (Cont'd)17.5.4 Rate Regulations (Cont'd)

- (E) Customers with a 3-year or 5-year term commitment must order service with a volume commitment, enabling the customer to receive the discount applicable to the appropriate volume tier for the committed volume for all ports subscribed. Customers with this option and a 3-year term will have 12 months after the initial port installation to reach the committed port volume. Customers with a 5-year term who select this option will have 24 months after the initial port installation to reach the committed volume.

Six months after the end of the appropriate 12 or 24 month installation window, a review of the customer's account will be performed to verify that the committed volume level has been achieved. Rates will be adjusted accordingly based upon the number of ports in service.

Failure to achieve the guaranteed quantity of ports within the specified time frame will result in all ports being rerated to the applicable monthly rate for the quantity actually in service. In addition, a liability charge equal to the monthly rate per port at the guaranteed commitment level multiplied by the port shortfall (the difference between the committed volume and the actual number of ports in service) multiplied by 3 months will apply.

In the event the customer has exceeded the commitment level, and the number of ports in service qualifies for a lower monthly rate based upon the volume tier for that number of ports, all ports will be rerated to the new, lower monthly rate.

Customer account reviews will be performed semi-annually after the first review until the end of the commitment period.

- (F) Customers with a 3-year or 5-year term commitment may add additional ports at any time during the commitment period at the rates applicable for the term commitment and the volume commitment initially selected. All ports will therefore be subject to a common expiration date for service commitment.
- (G) IPRS ports must be purchased in increments of 23 ports, except where available as single port quantities.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.5 IP (Internet Protocol) Routing Service (Cont'd)17.5.4 Rate Regulations (Cont'd)

- (H) Upon receipt of a bona fide request from a customer for a port quantity in excess of 75,500 Ports, the Telephone Company will work cooperatively with the customer to develop a per port rate for the requested quantity. Once the per-port rate is developed and accepted by the customer, it will then be tariffed and made available to any other customers requesting that same port quantity.

(I) IPRS Reports

- (1) IPRS includes a text-based, preformatted Daily Capacity Report that includes all network elements and all items from the previous day. This report is provided to each IPRS customer each day via e-mail without charge.
- (2) Customers desiring additional reports may choose optional Customer Service Management (CSM) Reports. The Telephone Company will provide IPRS customers with traffic reports and the ability to access these traffic data in near real-time via web-based access. The following reports will be available to the IPRS customer:
- (a) Total Connections, Analog and Digital
  - (b) Analog and Digital Ratio
  - (c) Calls Increment (measuring total calls received in ten minute intervals)
  - (d) ISDN Connections
  - (e) Modem Connections (measuring analog call connections)
  - (f) Seconds Increment (measuring total duration in seconds for a specific period of time)
  - (g) Weekly Maximum for Total Connections, Analog and Digital
- (3) Customers opting for the CSM Reports will have the ability to display varying time periods for archived data, in varying intervals (i.e., several days, weeks, or months up to 12 months prior). CSM customers will also have the ability to view the output data graphically. Appropriate output may also be displayed illustrating Raw Data, Peaks, or Averages. Polling across the IPRS network for the CSM reports occurs in 10-minute intervals on average. Output data are not available for the most recent 24 hours prior to the query.

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## ACCESS SERVICE

17. Packet Switching Access Service (Cont'd)17.5 IP (Internet Protocol) Routing Service (Cont'd)17.5.4 Rate Regulations (Cont'd)(I) IPRS Reports (Cont'd)

- (4) Recurring and Nonrecurring charges are based on a per-user access limited to six (6) IP addresses. The price entitles the customer to access the entire menu of available reports. Charges are assessed based on the size of the IPRS network (200 IPRS ports or less, or greater than 200 IPRS ports). If additional user access is needed, customers will be required to pay an additional appropriate monthly rate for each additional user access requested.

17.5.5 Rate Categories

- (A) Dial-up Port: Provides one data path connection in a local calling area of the company designated by the customer for analog/ISDN dial-up access to the customer by the customer's end users, and the IP routing of the end user data to the customer.
- (B) IPRS DS1/1.544 Mbps Port\*: Provides connection and IP routing of end user data terminated over dedicated private line facilities at a speed of 1.544 Mbps.

\* Effective: September 15, 2001, the IPRS DS1/1.544 Mbps Port will no longer be available for new service requests.

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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service19.1 General

FairPoint Enterprise Network Reconfiguration Service enables customers, by use of a Network Controller or network management device, to reconfigure specific Special Access Services connected at digital cross-connect systems. The connection may be made either directly or through a Telephone Company Hub where the Special Access Service may be bridged or multiplexed. The bridging function connects three or more customer designated premises in a multipoint arrangement. The multiplexing function channelizes analog or digital facilities to individual services requiring a lower capacity or bandwidth. Bridging or multiplexing functions for Special Access Service are specified in Section 7. preceding.

The following Special Access Services may be connected at digital cross-connect systems for network reconfiguration capability:

- Voice Grade Service (two-point service only)
- DIGIROUTE<sup>SM</sup> digital service II (DDS II)
- 1.544 Mbps High Capacity Service
- 44.735 Mbps High Capacity Service

19.2 Service Description19.2.1 General

Reconfiguration is accomplished by the customer selecting a Network Controller termination or SPOC Access option, as applicable for the type of service to be reconfigured. For access to the Network Controller, the customer may utilize a dial-up line, Voice Grade, DDS II or DOVROUTE<sup>SM</sup> Special Access Service from a customer-provided terminal at its premises to access the Network Controller as set forth in 19.4.1(A) following. The Network Controller determines if the customer's instructions are valid and passes the appropriate commands to a digital cross-connect system to effect the reconfiguration.

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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service (Cont'd)19.2 Service Description (Cont'd)19.2.1 General (Cont'd)

FairPoint Enterprise Network Reconfiguration Service is available at those Hubs where Telephone Company digital cross-connect systems assigned to FairPoint Enterprise Network Reconfiguration Service are located.

When FairPoint Enterprise Network Reconfiguration Service is provided in conjunction with multipoint Special Access Service, the wire center designated as the Telephone Company Hub for the bridging function must be the same wire center as the Hub designated for the FairPoint Enterprise Network Reconfiguration Service function.

In the case of multipoint service, the reconfiguration is limited to that portion of the service which connects the bridging function with the NRS function. Reconfiguration of the individual service points is not permitted.

The FairPoint Enterprise Network Reconfiguration Service Hub is found in NATIONAL EXCHANGE CARRIER ASSOCIATION INC. TARIFF F.C.C. NO. 4.

Customers which utilize dial-up or Special Access Service Network Controller Access must provide customer-premises equipment which is compatible with the technical specifications contained in Technical Reference PUB TR-TSY-000366.

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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service (Cont'd)19.2 Service Description (Cont'd)19.2.1 General (Cont'd)

When FairPoint Enterprise Network Reconfiguration Service is provided in conjunction with 44.736 Mbps High Capacity Service, the customer's ability to reconfigure is limited to the individual Special Access channels riding the 44.736 Mbps Service. In no case will the customer be able to cross-connect High Capacity Services at the 44.736 Mbps level. Cross-connection of Switched Access Service riding a channel of the 44.736 Mbps facility is not permitted. The Network Access Port for 44.736 Mbps High Capacity Service is described in 19.4.2 following.

19.2.2 Optional Features

FairPoint Enterprise Network Reconfiguration Service may be provided with optional features to further enhance the customer's ability to manage and control its Special Access Services as follows.

(A) Automatic Reconfiguration

With the Automatic Reconfiguration optional feature, the customer can elect to have a failed service automatically routed over an alternate route without the customer having to access the Network Controller in order to initiate the reconfiguration. This option allows for Dynamic Alternate Routing (DAR) which automatically reconfigures a failed service between two Telephone Company NRS Hub locations and Pre-planned Alternate Routing (PAR) which automatically reconfigures service provided between a customer designated premises and a Telephone Company NRS Hub. PAR occurs based on alternate routing instructions previously provided by the customer.

Once this option is selected, Automatic Reconfiguration is provided on all NRS Network Access Ports under the customer's control, with the exception of NRS Network Access Ports associated with multipoint arrangements which due to technical limitations will not be provided with the Automatic Reconfiguration optional feature.

The customer must subscribe to sufficient Special Access Services and NRS Network Access Ports for the spare capacity required for the alternate configuration. All rates and charges for the services and ports associated with the spare capacity will apply, as appropriate.

A one-time System Establishment Charge applies to activate the Automatic Reconfiguration option. The charge applies once, regardless of the number of NRS Network Access Ports under the control of the customer.

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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service (Cont'd)19.3 Technical Specifications

Services that are cross-connected by FairPoint Enterprise Network Reconfiguration Service must have identical technical characteristics to ensure compatibility and proper operation, e.g. data capability or clear channel capability.

If the Telephone Company determines that the technical characteristics of the requested services to be cross-connected are not compatible, the customer will be advised and given the opportunity to change the order.

The FairPoint Enterprise Network Reconfiguration Service specifications are delineated in Technical Reference PUB TR-TSY-000366.

19.4 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply to FairPoint Enterprise Network Reconfiguration Service.

The basic rate elements which apply to FairPoint Enterprise Network Reconfiguration Service include:

- Network Controller Access and SPOC Access (described in 19.4.1 following).
- Network Access Ports (described in 19.4.2 following).
- Optional Features and Functions (described in 19.4.3 following).

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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service (Cont'd)19.4 Rate Regulations (Cont'd)19.4.1 Network Controller and SPOC Access

Monthly rates and nonrecurring charges apply to the Network Controller Access rate element. Network Controller Access provides for access to the Network Controller. The rates and charges apply on a per termination basis.

The customer has the option of several types of termination. For each termination, a separate rate and charge apply as set forth in Section 30.19.1 following for price band rates and charges and 31.19.1 following for all other rates and charges.

With the exception of Attendant Termination or SPOC Access, the charge for other labor as set forth in Section 13.2.1 preceding will apply if a customer with a non-Attendant, non-Enterprise SPOC Access option requires assistance from the Telephone Company Network Controller Attendant to effect a reconfiguration. Other labor charges will not apply for Telephone Company Attendant assistance provided during the first two months following the initial establishment of the non-attendant termination option.

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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service (Cont'd)19.4 Rate Regulations (Cont'd)19.4.1 Network Controller and SPOC Access (Cont'd)(A) Network Controller Access

- (1) Dial-Up Termination - This option allows the customer to access the Network Controller by utilizing a local exchange service line.
- (2) Voice Grade Termination - This option allows the customer to use Voice Grade Special Access Service, as set forth in Section 7. preceding, to access the Network Controller.
- (3) DDS II Access Termination - This option allows the customer to use DIGIROUTE<sup>SM</sup> digital service II (DDS II) Special Access Service, as set forth in Section 7. preceding, at rates of up to 19.2 kbps to access the Network Controller. Customers may use 2-wire or 4-wire DDS II to access the Network Controller.
- (4) DOVROUTE<sup>SM</sup> Access Termination - This option allows the customer to use DOVROUTE<sup>SM</sup> service Special Access Service, as set forth in Section 7. preceding, to access the Network Controller.
- (5) Attendant Termination - This option allows the customer to dial a ten-digit telephone number and request a Telephone Company attendant to perform the reconfiguration.

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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service (Cont'd)19.4 Rate Regulations (Cont'd)19.4.1 Network Controller and SPOC Access (Cont'd)(B) SPOC Access

- (1) Requested Reconfiguration - This option allows the customer to contact the Telephone Company SPOC to request reconfiguration. The customer must provide the Telephone Company with its alternate routing instructions prior to requesting that reconfiguration be performed.
- (2) Scheduled Reconfiguration - This option allows the customer to contact the Telephone Company SPOC to provide the Telephone Company SPOC with instructions for which reconfiguration to one or more alternate routes is to occur on a scheduled basis. The schedule shall include the time(s) of day and day(s) of the week at which reconfiguration to the alternate configuration(s) is to occur in accordance with routing instructions provided by the customer.
- (3) Emergency Reconfiguration - This option allows the customer to contact the Telephone Company SPOC to request that service be reconfigured to an alternate configuration in the event of an emergency. The customer must provide the Telephone Company with its alternate routing instructions prior to an emergency condition occurring. Requests for Emergency Reconfiguration shall take priority over all other types of reconfiguration requests.
- (4) Emergency Reconfiguration in Conjunction with Standby Circuits This option allows the customer to contact the Telephone Company SPOC to request that service be reconfigured to prearranged Standby Circuits as set forth in Section 7.2.13(F)(5)(b) preceding in the event of a failure which renders the customer's working service inoperative. Requested Reconfiguration, Scheduled Reconfiguration or Emergency Reconfiguration as specified in (1) through (3) preceding are not provided with this option. Requests for Emergency Reconfiguration shall take priority over all types of reconfiguration requests.

The rate for Network Controller or SPOC Access applies each month, regardless of whether any reconfiguration activity takes place.

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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service (Cont'd)19.4 Rate Regulations (Cont'd)19.4.2 Network Access Ports

Monthly rates and nonrecurring charges apply to the Network Access Ports rate element. The Network Access Ports rate element applies per port. The number of Network Access Ports is determined by the number of connections on the digital cross-connect system used with FairPoint Enterprise Network Reconfiguration Service. Specifically, one Network Access Port is required on a channel between a customer-designated premises and a digital cross-connect system and two (2) Network Access Ports are required on a channel between digital cross-connect systems. The Network Access Port rate is determined by the type of service that is to be reconfigured.

In the case of multipoint service utilizing FairPoint Enterprise DS0 Service, only one Network Access Port will apply for the bridged arrangement to be redirected to its backup channel.

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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service (Cont'd)19.4 Rate Regulations (Cont'd)19.4.2 Network Access Ports (Cont'd)

For the 44.736 Mbps High Capacity Service Network Access Port, the capability to reconfigure service is limited to the individual services riding the channels of the 44.736 Mbps facility. Reconfiguration of the 44.736 Mbps facility occurs on a 3/1/0 basis. 3/1 reconfiguration allows for cross-connection of the individual 1.544 Mbps Services riding channels of the 44.736 Mbps facility. 3/0 reconfiguration allows for cross-connection of the individual Voice Grade and digital data services riding channels of the 44.736 Mbps facility. The customer may specify reconfiguration to occur at the 3/1 level, 3/0 level or a combination of both 3/1 and 3/0 on the same 44.736 Mbps facility.

For FairPoint Enterprise DS3 Service Network Access Ports, the capability to reconfigure service is differentiated by the mapping level of the digital cross-connect system. For example, a 3/3 digital cross-connect device allows for mapping one DS3 to another DS3 on a non-channelized basis and a 3/1 digital cross-connect device allows for mapping one or more DS1s to a channelized DS3. The type of mapping (i.e., cross-connect level) is specified in National Exchange Carrier Associated, INC. Tariff F.C.C No. 4. Cross connection of a non-channelized FairPoint Enterprise DS3 Network Access Port to a 44.736 Mbps High Capacity Service Network Access Port is prohibited.

The Network Access Port rate is determined by the type of Special Access Service that is associated with the port. The types of Special Access Services that may be used with the FairPoint Enterprise Network Reconfiguration Service are set forth in 19.1 preceding.

At the initial installation of FairPoint Enterprise Network Reconfiguration Service, the customer must order a minimum of three Network Access Ports.

The 44.736 Mbps High Capacity Network Access Port is subject to Nonrecurring Charge Liability as set forth in Section 7.4.1(C)(1) preceding.

In addition, rates and charges as set forth in Section 30.7 following for price band rates and charges and 31.7 following for all other rates and charges apply for Special Access Service, as appropriate.

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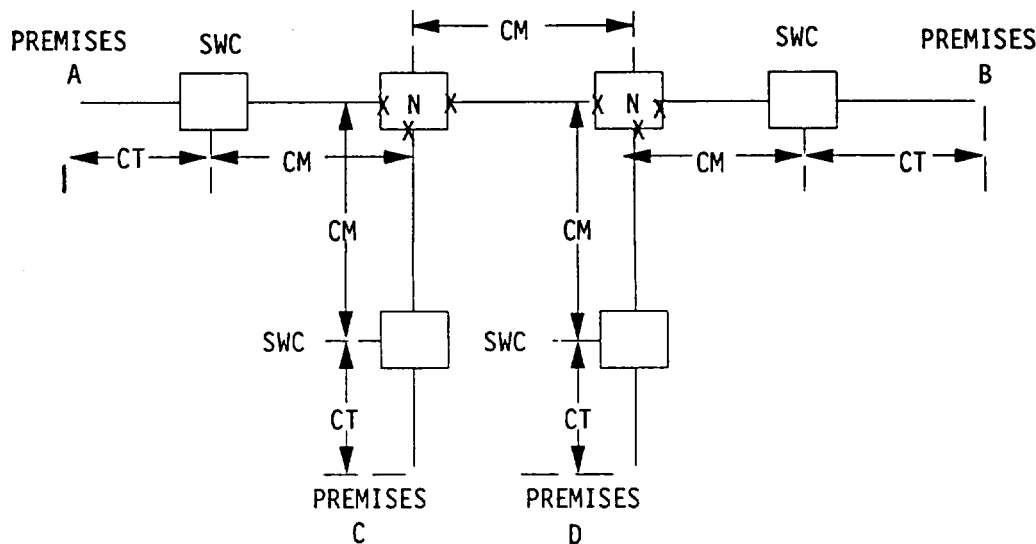
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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service (Cont'd)19.4 Rate Regulations (Cont'd)19.4.2 Network Access Ports (Cont'd)

Example: 1.544 Mbps High Capacity Special Access Service with four customer designated premises utilizing FairPoint Enterprise Network Reconfiguration Service.



CT - Channel Termination

CM - Channel Mileage

N - Digital cross-connect system used for Network Reconfiguration System

SWC - Serving Wire Center

X - Network Access Ports

Applicable rate elements are:

- Channel terminations (4 applicable)
- Channel Mileage (5 sections, each from appropriate mileage band)
- Network Access Ports (6 applicable, i.e., each port)

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## ACCESS SERVICE

19. FairPoint Enterprise Network Reconfiguration Service (Cont'd)19.4 Rate Regulations (Cont'd)19.4.3 Optional Features and Functions

A System Establishment Charge applies for the Automatic Reconfiguration optional feature at the time the feature is initially activated. The charge applies once, regardless of the number of NRS Network Access Ports under the control of the customer.

19.5 Minimum Period

The minimum period for which FairPoint Enterprise Network Reconfiguration Service is provided and for which charges apply is the minimum period for the associated Special Access Service. The minimum period requirements for Special Access Services are set forth in Section 7.4.4 preceding.

19.6 Rates and Charges

Rates and Charges for FairPoint Enterprise Network Reconfiguration Service are set forth in Section 30.19 following for price band rates and charges and 31.19 following for all other rates and charges.

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## ACCESS SERVICE

20. Special Construction20.1 General20.1.1 Filing of Charges

All special construction cases will be filed subject to the regulations specified in this section. The rates, charges, and liabilities for special construction to provide facilities for use for one month or more are filed in the following sections, as appropriate.

Rates, charges, and liabilities for the construction of facilities for use for less than one month are filed in supplements to this tariff.

20.1.2 Ownership of Facilities

The Telephone Company providing specially constructed facilities under the provisions of this tariff retains ownership of all such facilities.

20.1.3 Interval to Provide Facilities

Based on available information and the type of service ordered, the Telephone Company will establish a completion date for the specially constructed facilities. If the scheduled completion date cannot be met due to circumstances beyond the control of the Telephone Company, a new completion date will be established and the customer will be notified.

20.1.4 Special Construction Involving Both Interstate and Intrastate Facilities

When special construction involves facilities to be used to provide both interstate and intrastate services, charges for the portion of the construction used to provide interstate service shall be in accordance with this tariff. Charges for the portion of the construction used to provide intrastate service shall be in accordance with the appropriate intrastate tariff.

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.5 Payments for Special Construction(A) Payments of Charges

All bills associated with special construction charges are due in accordance with the appropriate regulations in the service tariff under which service is being provided.

(B) Start/End of Billing

Billing of recurring charges for specially constructed facilities starts on the day after the facilities are made available for use. Billing accrues through and includes the day that the specially constructed facilities are discontinued. Recurring charges will be billed in accordance with the appropriate regulations in the service tariff under which service is being provided.

(C) Credit Allowance for Service Interruptions

In the event of a service interruption involving a specially constructed facility, the customer shall receive a recurring monthly charge credit in accordance with the credit allowance provisions in the appropriate service tariff associated with the affected service.

When an interruption continues due to the failure of the customer to authorize the replacement of facilities subject to a Replacement Charge, as specified in 20.1.6.(D)(1)(d) following, the credit allowance will be terminated on the seventh calendar day after the Telephone Company has provided the customer with written notification of the need for replacement. The credit allowance will resume on the day after the Telephone Company receives written authorization for the replacement from the customer.

20.1.6 Liabilities and Charges for Special Construction

- (A) This section describes the various charges and liabilities that may apply when the Telephone Company provides special construction of facilities in accordance with an order for service. Written approval of all liabilities and charges must be provided to the Telephone Company prior to the start of construction

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.6 Liabilities and Charges for Special Construction (Cont'd)(B) Conditions Requiring Special Construction

Special construction is required when 1) facilities are not available to meet an order for service, and 2) the Telephone Company constructs facilities, and 3) one or more of the following conditions exist:

- The Telephone Company has no other requirement for the facilities requested.
- It is requested that service be furnished using a type of facility, or via a route, other than that which the Telephone Company would normally utilize in furnishing the requested service.
- More facilities are requested than would normally be required to satisfy an order.
- It is requested that construction be expedited, resulting in added cost to the Telephone Company.
- The Telephone Company determines that alternative facilities must be used because the safety of customers or Telephone Company employees would be in jeopardy if standard facilities were placed, or if potential damage to both Telephone Company and customer-provided equipment could occur. If a high voltage or electrical hazard exists, standard conductive facilities will not be used, and special non-conductive facilities must be placed. For example, dangerous conditions would exist when providing standard copper facilities to high voltage transmission power towers where potential "Ground Potential Rise" hazard exists, or where voltage could be conducted away from the tower.

(C) Development of Liabilities and Charges

Special construction charges and liabilities will be developed based on estimated costs, except when actual costs are requested in writing prior to the start of special construction.

In order to meet a scheduled service date when actual costs are requested, an initial special construction filing may be made based on estimated costs. Such a filing will be Original when actual costs are available.

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges

Depending on the specifics associated with each individual case, one or more of the following special construction charges and/or liabilities may be applicable:

(1) Nonrecurring Charge

A nonrecurring charge always applies and includes one or more of the following components:

(a) Case Preparation Charge

A nonrecurring charge always includes a case preparation charge component to cover the administrative expenses associated with preparing a special construction case and the associated tariff filing.

(b) Expediting Charge

A nonrecurring charge may include an expediting charge when it is requested that special construction be completed on an expedited basis. The charge equals the difference in estimated cost between expedited and nonexpedited construction.

(c) Optional Payment

An optional payment charge may be included in the nonrecurring charge in association with a type of facility or route other than that which the Telephone Company would normally use in furnishing the requested service if lower recurring monthly charges are desired for the specially constructed facilities. This charge is equal to the excess installed cost or the total nonrecoverable cost, whichever is less. This election must be made in writing before special construction starts. If this election is coupled with the actual cost option, the optional payment charge will reflect the actual cost of the specially constructed facilities.

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(1) Nonrecurring Charge (Cont'd)(d) Replacement Charge

If any portion of specially constructed facilities for which an optional payment charge has been paid requires replacement involving capital investment, a replacement charge will apply. This charge will be in the same ratio to the total replacement cost as the initial optional payment charge was to the installed cost of the original specially constructed facilities. If any portion of the facilities subject to the replacement charge fails, service will not be restored until notification is provided in writing that replacement is required and such replacement is ordered.

(e) Rearrangement Charge

If the Telephone Company is requested to rearrange existing specially constructed facilities, a nonrecurring charge equal to the cost of any additional special construction will apply.

## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(1) Nonrecurring Charge (Cont'd)(f) Special Construction of Facilities for Use for Less than One Month

When the Telephone Company is requested to construct facilities to provide service for less than one month, a nonrecurring charge only applies. In addition to the case preparation charge component, this nonrecurring charge recovers all elements of cost, including engineering, shipping of equipment, equipment installation, line-up, equipment leasing, space rental, equipment removal, and any other costs associated with the construction of the facilities.

(2) Maximum Termination Liability and Termination Charge

A Maximum Termination Liability is equal to the nonrecoverable costs associated with specially constructed facilities and is the maximum amount which could be applied as a Termination Charge if all specially constructed facilities were discontinued before the Maximum Termination Liability expires.

The liability period is equal to the average life of the account associated with the specially constructed facilities. The liability period is generally expressed in terms of an Effective: and expiration date.

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(2) Maximum Termination Liability and Termination Charge (Cont'd)

The Maximum Termination Liability is filed with the initial tariff filing in decreasing amounts at ten-year intervals over the average account life of the facilities. In the event that the average account life of the facilities is not an even multiple of ten, the last increment will reflect the appropriate number of years remaining.

Example Illustrating a 27-Year Average Account Life

Maximum Termination Liability	Effective: Date	Expiration Date
\$10,000	6/1/84	6/1/94
7,000	6/1/94	6/1/04
3,000	6/1/04	6/1/11

Prior to the expiration of each liability period, the customer has the option to (A) terminate the special construction case and pay the appropriate charges or (B) extend the use of the specially constructed facilities for the new liability period.

The Telephone Company will notify the customer six months in advance of the expiration date of each ten-year liability period. The customer must provide the Telephone Company with written notification at least 30 days prior to the expiration of the liability period if termination is elected. Failure to do so will result in an automatic extension of the special construction case to the next liability period at the filed Maximum Termination Liability amount.

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(2) Maximum Termination Liability and Termination Charge (Cont'd)

A Termination Charge may apply when all services using specially constructed facilities which have a tariffed Maximum Termination Liability are discontinued prior to the expiration of the liability period. The charge reflects the unamortized portion of the nonrecoverable costs at the time of termination, adjusted for net salvage and possible reuse. Administrative costs associated with the specific case of special construction and any cost for restoring a location to its original condition are also included. A Termination Charge may never exceed the filed Maximum Termination Liability.

A partial termination of specially constructed facilities will be provided, at the election of the customer. The amount of the Termination Charge associated with such partial termination is determined by multiplying the termination charge which would result if all services using the specially constructed facilities were discontinued, at the time partial termination is elected, by the percentage of specially constructed facilities to be partially terminated. A tariff filing will be made following a partial termination to list remaining Maximum Termination Liability amounts and the number of specially constructed facilities the customer will remain liable for.

Example

A customer with a filed Maximum Termination Liability of \$100,000 for 3600 specially constructed facilities requests a partial termination of 900 facilities. The Termination Charge for all facilities, at the time of election, is \$60,000. The partial termination charge, in this example, is \$60,000 X 900/3600, or \$15,000.

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(3) Annual Underutilization Liability and Underutilization Charge

Prior to the start of special construction, the Telephone Company and the customer will agree on (1) the quantity of facilities to be provided, and (2) the length of the planning period during which the customer expects to place the facilities in service. The planning period is hereinafter referred to as the Initial Liability Period (ILP). The ILP is listed in the tariff with an Effective: and expiration date.

Underutilization occurs only if, at the expiration date of the ILP and annually thereafter, less than 70 percent of the specially constructed facilities are in service at filed tariff service rates.

An annual underutilization liability amount is filed on a per unit basis (e.g., per cable pair) for each case of special construction. This amount is equal to the annual per unit cost and includes depreciation, maintenance, administration, return taxes, and any other costs identified in the supporting documentation provided at the time the special construction case is filed.

Upon the expiration of the ILP, the number of underutilized facilities, if any, are multiplied by the annual underutilization liability amount. This product is then multiplied by the number of years (including any fraction thereof) in the ILP to determine the underutilization charge.

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(3) Annual Underutilization Liability and Underutilization Charge (Cont'd)

Annually thereafter, the number of underutilized facilities, if any, existing on the anniversary of the ILP expiration date will be multiplied by the annual underutilization liability amount to determine the underutilization charge for the preceding 12 month period.

Example

A customer orders 100 services and the special construction of a 600 pair building riser cable is agreed to, based on the customer's 5 year facility requirements. The ILP, in this example, would be filed at 5 years. The annual underutilization liability is filed at \$2.00 per pair. If 400 pairs were in service at the end of the ILP, there would be an underutilization of 20 pairs, i.e.,  $420$  (70% of 600) - 400 = 20. The total underutilization charge for the first 5 years would be \$200.00, or \$2.00 per pair x 20 pairs x 5 years.

If 420 pairs are in service at the end of the Original year, there is no underutilization, i.e.,  $420 - 420 = 0$ .

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(4) Recurring Monthly Charges(a) Charge for Route or Type other than Normal

When special construction is requested using a route or type of facility other than that which the Telephone Company would normally use, a recurring monthly charge, in addition to the monthly rates for service, is applicable. The charge is equal to the difference between the recurring costs of the specially constructed facilities and the recurring costs of the facilities the Telephone Company would have normally used.

1. When an Optional Payment Charge as set forth in 20.1.6.(D)(1)(c) preceding has been elected, the recurring monthly charge will be reduced to include specially constructed facility operating expenses only.
2. If the actual cost option as set forth in 20.1.6(c) preceding has been elected, the recurring charge will be adjusted to reflect the actual cost of the new construction when the costs have been determined. This adjusted recurring charge is applicable from the start of service.

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(5) Lease Charge

This charge applies when the Telephone Company leases equipment in order to meet service requirements. The amount of the charge is equal to the net added cost to the Telephone Company caused by the lease.

(6) Cancellation Charge

If a service order with which special construction is associated is cancelled prior to the start of service, a cancellation charge will apply. The charge will include all nonrecoverable costs incurred by the Telephone Company in association with the special construction up to and including the time of cancellation.

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.1 General (Cont'd)20.1.7 Deferral of Start of Service

The Telephone Company may be requested to defer the start of service which will use specially constructed facilities subject to the provisions set forth in the service tariff under which service is being provided. Requests for special construction deferral must be in writing and are subject to the following regulations:

(A) Construction Has Not Begun

If the Telephone Company has not incurred any installation costs before receiving a request for deferral, no charge applies.

(B) Construction Has Begun

If the construction of facilities has begun before the Telephone Company receives a request for deferral, charges will vary as follows:

(1) All Services Are Deferred

When all services which will use specially constructed facilities are deferred, a charge based on the costs incurred by the Telephone Company during each month of the deferral will apply. Those costs include the recurring costs for that portion of the facilities already completed and any other costs associated with the deferral. The cost of any components of the nonrecurring charge which have been completed at the time of deferral will also apply.

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20. Special Construction (Cont'd)

20.1 General (Cont'd)

20.1.7 Deferral of Start of Service (Cont'd)

(B) Construction Has Begun (Cont'd)

(2) Some Services Are Deferred

When some services which will use specially constructed facilities are deferred, the construction case will be completed and all special construction charges will apply.

(C) Construction Complete

If the construction of facilities has been completed before the Telephone Company receives a request for deferral, all special construction charges will apply.

20.2 Special Construction Cases

20.2.1 Charges to Provide Permanent Facilities

(D)  
|  
|  
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|  
|  
(D)

20. Special Construction (Cont'd)

20.2 Special Construction Cases (Cont'd)

20.2.1 Charges to Provide Permanent Facilities (Cont'd)

**(D)**

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**(D)**

ACCESS SERVICE

20. Special Construction (Cont'd)

20.2 Special Construction Cases (Cont'd)

20.2.1 Charges to Provide Permanent Facilities (Cont'd)

(D)

Case ME2008-439492

(T)

A. Description of Service

Special construction for the installation of a diverse IntelliBeam Entrance Facility (IEF) to enable the customer to connect to an existing FairPoint fiber ring between FairPoint's Portland, ME Central Office (PTLDMEO) and FairPoint's North Deering Central Office (NDRGMEAU).

B. Locations of Service

Location 1: Portland, ME (PTLDMEEZW00)

Location 2: Forest Avenue, ME CO (PTLDMEO)

Location 3: North Deering, ME CO (NDRGMEAU)

C. Rates and Charges

The following Nonrecurring Charge applies, in addition to all applicable local state, or federal fees, taxes, required surcharges or other applicable tariff charges.

Nonrecurring Charge: \$2,355.45

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(T)(x)

(T)(x)

(x) Material issued under authority of Special Permission No. 08-\_\_\_\_ in order to withdraw material filed under Transmittal No. 2.

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ACCESS SERVICE

- 20. Special Construction (Cont'd)
- 20.2 Special Construction Cases (Cont'd)
  - 20.2.1 Charges to Provide Permanent Facilities (Cont'd)

(D)

(D)

(TR 36)

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.2 Special Construction Cases (Cont'd)20.2.1 Charges to Provide Permanent Facilities (Cont'd)

(D)

This section contains special construction charges to provide permanent facilities in accordance with the interstate tariffs referenced by this tariff. Charges are developed on an individual case basis and are filed following:

<u>Customer Name</u>	<u>Description</u>	<u>Charge/ Liability</u>	<u>Effective Date</u>	<u>Expiration Date</u>
Wang Communications , Inc.- tions, Inc.	Install 200 cable pairs	NRC- \$1,500.00		
	from 6 <sup>th</sup> floor building	MTL- \$3,060.00	02-27-1985	02-27-1995
	terminal, One Indian	\$2,290.00	02-27-1995	02-27-2005
	Head Plaza, Nashua,	\$1,520.00	02-27-2005	02-27-2014
	New Hampshire to 6 <sup>th</sup>	AUL- \$3.25/pr	02-27-1985	02-27-1990
	floor customer's terminal	(based on 200 pairs)		
	One Indian Head Plaza,	ILP-		
	Nashua, New Hampshire			

(T)

Case No. 2008-448712

(T)

## A. Description of Service

Special construction for the installation of fiber cable facilities to enable the Customer to transport point-to-point traffic between the Customer Premises in Nashua, NH (NASHNHKU) and FairPoint's central office at NASHNHGR.

## B. Location of Service

Location 1: Nashua, NH (NASHNHKU)

Location 2: FairPoint's NH CO NASHNHGR

## C. Rates and charges

The following Nonrecurring Charge applies, in addition to all applicable local, state, or federal fees, taxes, required surcharges and other applicable tariff charges:

Nonrecurring Charge: \$22,500.00

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.2 Special Construction Cases (Cont'd)20.2.1 Charges to Provide Permanent Facilities (Cont'd)

(D)

<u>Customer Name</u>	<u>Description</u>	<u>Charge/ Liability</u>	<u>Effective Date</u>	<u>Expiration Date</u>	(D)
					(D)
American International Telecommunications	Install 70 cable pairs from the 2 <sup>nd</sup> floor at 121 West Street, Rutland, Vermont to the 3 <sup>rd</sup> floor at 121 West Street, Rutland, Vermont	NRC- MTL-   AUL- (based on 70 pairs)	\$1,100.00 \$2,040.00 \$1,690.00 \$1,330.00 \$980.00 \$4.50/pr	09-14-1984 09-14-1994 09-14-2004 09-14-2014 09-14-2016	(T)
American International Telecommunications	Install 100 cable pairs from pole 4 to pole 2-1 on Cottage Street, Rutland, Vermont and 120 cable pairs from the 2 <sup>nd</sup> floor to the 3 <sup>rd</sup> floor at 121 West Street, Rutland, Vermont	ILP- NRC- MTL-  AUL- (based on 100 pairs)	\$1,370.00 \$3,330.00 \$2,460.00 \$1,580.00 \$1.75/pr	09-14-1984 01-31-1986 01-31-1996 01-31-2006	(T)
		(based on 120 pairs)	\$3.90/pr		
		ILP-		01-31-1986 01-31-1991	

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Effective: December 15, 2012

## ACCESS SERVICE

20. Special Construction (Cont'd)20.2 Special Construction Cases (Cont'd)20.2.1 Charges to Provide Permanent Facilities (Cont'd)

					(D)
<u>Customer Name</u>	<u>Description</u>	<u>Charge/ Liability</u>	<u>Effective Date</u>	<u>Expiration Date</u>	
Burlington Telephone Company	Install 200 cable pairs from Manhole 2, West Street, Rutland, Vermont to 2 <sup>nd</sup> floor, 121 West Street, Rutland, Vermont.	NRC- \$1,490.00			(T)
		MTL- \$6,760.00	09-16-1986	09-16-1996	
		\$6,750.00	09-16-1996	09-16-2006	
		\$4,600.00	09-16-2006	09-16-2013	
		AUL- \$10.00/pr (based on 200 pairs)			
		ILP-	09-16-1986	09-16-1989	
GTE-Sprint Communications	Install 25 repeaters, repeater shelves, cable, innerduct and connectors at the GTE POP Central Street, Essex Junction, Vermont	NRC- \$2,270.00			(T)
		MTL- \$14,410.00	12-01-1987	12-01-1997	
		\$12,410.00	12-01-1997	12-01-2007	
		\$9,230.00	12-01-2007	12-01-2013	
		AUL- \$285.50/pr (based on 25 repeaters)			
		ILP-	12-01-1986	12-01-1991	
					(D)
					(D)
Burlington Telephone	Installing 400 cable pairs from the Telephone Company's central office at 7 Burlington Square, Burlington, Vermont to the customer's premises at 7 Burlington Square, Burlington, Vermont	NRC- \$2,270.00			(T)
		MTL- \$3,620.00	08-10-1989	08-10-1999	
		\$3,540.00	08-10-1999	08-10-2009	
		\$2,200.00	08-10-2009	10-31-2013	
		AUL- \$1.75 (per cable pair)			
		ILP-	08-10-1989	10-31-1991	

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.2 Special Construction Cases (Cont'd)20.2.1 Charges to Provide Permanent Facilities (Cont'd)Case 2012-W2582

## A. Description of Service

Special construction for the installation of fiber optic cable facilities and associated circuit equipment to support one (1) DS-3 circuit connecting the Customer Premises in Nashua, NH (NASHNHJN12) to the Company's central office NASHNHWP.

## B. Locations of Service

Location 1: Nashua, NH (NASHNHJN12)

Location 2: Nashua, NH CO (NASHNHWP)

## C. Rates and Charges

The following Nonrecurring Charge applies, in addition to all applicable local, state, or federal fees, taxes, required surcharges and other applicable tariff charges

Locations 1 &amp; 2:

Nonrecurring Charge: \$15,500.

(N)

(N)

(TR 36)

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.2 Special Construction Cases (Cont'd)20.2.1 Charges to Provide Permanent Facilities (Cont'd)Case 2012-061101 & 2012-060707

## A. Description of Service

Special construction for the installation of fiber optic cable facilities and associated circuit equipment to support two (2) DS-3 circuits, one connecting the Customer Premises in Concord, NH (CNCRNHWO) to the Company's central office CNCRNHSO and one connecting the Customer Premises in Epping, NH (EPNGNHAR) to the Company's central office EPNGNHMA.

## B. Locations of Service

Location 1: Concord, NH (CNCRNHWO)

Location 2: Concord, NH CO (CNCRNHSO)

Location 3: Epping, NH (EPNGNHAR)

Location 4: Epping, NH CO (EPNGNHMA)

## C. Rates and Charges

The following Nonrecurring Charge applies, in addition to all applicable local, state, or federal fees, taxes, required surcharges and other applicable tariff charges

Locations 1 & 2:

Nonrecurring Charge: \$15,000.00

Locations 3 & 4:

Nonrecurring Charge: \$9,000.00

(N)

(N)

(TR 36)

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## ACCESS SERVICE

20. Special Construction (Cont'd)20.2 Special Construction Cases (Cont'd)20.2.1 Charges to Provide Permanent Facilities (Cont'd)

Case 2012-060803 &amp; 2012-060804

## A. Description of Service

Special construction for the installation of fiber optic cable facilities and associated circuit equipment to support two (2) DS-3 circuits, one connecting the Customer Premises in Augusta, ME (AGSTMEQCN00) to the Company central office AGSTMEST and one connecting the Customer Premises in Bedford, NH (BDFRNHKQN00) to the Company's central office MNCHNHCO.

## B. Locations of Service

Location 1: Augusta, ME (AGSTMEQCN00)

Location 2: Augusta, ME CO (AGSTMEST)

Location 3: Bedford, NH (BDFRNHKQN00)

Location 4: Manchester, NH CO (MNCHNHCO)

## C. Rates and Charges

The following Nonrecurring Charge applies, in addition to all applicable local, state, or federal fees, taxes, required surcharges and other applicable tariff charges

Locations 1 &amp; 2:

Nonrecurring Charge: \$37,500.00

Locations 3&amp; 4:

Nonrecurring Charge: \$32,000.00

(N)

(N)

(TR 36)

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