

ACCESS SERVICE

16. Public Packet Data Network

Public Packet Data Networks utilize separate data networks, comprised of switching and transmission facilities. The networks provide for the transfer of data provided by a customer in a frame or cell format. The data is separated into discrete segments for transmission through the public packet data network.

16.1 Frame Relay Access Service16.1.1 General(A) General

Frame Relay Access Service (FRAS) is a medium speed, connection-oriented packet-switched data service that allows for the interconnection of Local Area Networks (LANs) or other compatible customer premises equipment for the purpose of connecting to an interstate frame relay network. FRAS

also allows for the interconnection of a customer designated premises to a DSL Access Service Connection Point.

The terminal equipment accumulates the customer data and puts it into a frame relay format suitable for transmission over the FRAS network. This terminal equipment must conform to American National Standards Institute and Telecommunication Standardization Bureau of the International Telecommunication Union (ITU-T), formerly Committee Consultant de International Telegraphique et Telephonique (CCITT), in the following Technical References

ITU-CCITT I.233.1,
ITU-CCITT I.233.2,
ITU-CCITT I.370, and
ITU-T Q.933

FRAS permits customers to share network bandwidth for data transmissions.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.1 General (Cont'd)(A) General (Cont'd)

Rates and charges for FRAS are set forth in Section 17.4.7(A)(1) following. The application of rates for FRAS is described in Section 16.1.2 following.

In addition to the regulations and charges specified in this section, the general regulations and charges specified in other sections of this tariff apply as appropriate.

(B) Service Description

FRAS is a transport service that facilitates the exchange of variable length information units (frames) between customer connections. Frames travel a fixed path through the network with an address that specifies the permanent virtual connection. Addresses are read by the network processor and the frames are relayed to the pre-assigned destination.

FRAS service includes: the Frame Relay Access Connection, the Frame Relay Inter-network Connection, and Permanent Virtual Connections (PVC) which have associated Committed Information Rates (CIRs).

The Frame Relay Access Connection and the Frame Relay Inter-network Connection elements provide access to a Telephone Company wire center equipped with a frame relay switch. A generic view of FRAS access is shown in 16.1.2(A) following. Frame Relay Access Service connections are available from the wire centers as identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.1 General (Cont'd)(B) Service Description (Cont'd)

The Frame Relay Access Connection combines a frame relay compatible 56.0 kbps, 64.0 kbps, 1.544 Mbps or 44.736 Mbps digital transport facility with a port on a frame relay switch. The Frame Relay Access Connection includes the Telephone Company facility between the customer designated premises and the customer's serving wire center, the interoffice transport (if applicable) between the customer's serving wire center and a wire center equipped with a frame relay switch, and the end user port. The end user port is a user-to-network interface which provides the line side physical entry point into the Telephone Company frame relay network and permits FRAS compatible end user customer premises equipment (CPE) to originate or terminate an interstate access service. Connections between end user customer premises equipment and the Telephone Company frame relay switch are available at speeds of 56.0 kbps, 64.0 kbps, 1.544 Mbps or 44.736 Mbps. Each end user port requires the identification of a corresponding terminating port. All end user ports must be in conformance with Technical References specified in (A) above.

The Frame Relay Inter-network Connection combines a frame relay compatible 1.544 Mbps or 44.736 Mbps digital transport facility with a port on a frame relay switch. The Frame Relay Inter-network Connection includes the Telephone Company facility between the customer designated premises and the customer's serving wire center, the interoffice transport (if applicable) between the customer's serving wire center and a wire center equipped with a frame relay switch, and the inter-network customer port. The inter-network customer port is a network-to-network interface which provides the trunk side physical entry point into the Telephone Company frame relay network. The inter-network customer port connects the Telephone Company frame relay switch and the access customer's network. The inter-network customer port is offered at speeds of 1.544 Mbps or 44.736 Mbps. All inter-network customer ports must be in conformance with Telcordia Technologies, Inc. Technical Reference TR-TSV-001370, Issued: May 1993.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.1 General (Cont'd)(B) Service Description (Cont'd)

The Telephone Company will provide the logical circuits required within its frame relay network to connect the ports or to connect a port with a DSL Access Service Connection Point. These logical circuits, or Permanent Virtual Connections (PVC), are software defined, end-to end, bidirectional communications paths that are established and disestablished via the access service order process. While no physical circuits are dedicated, the two network addresses (one from each port) are connected electronically to form a PVC.

There are two types of PVCs available. The standard PVC establishes a communications path within the telephone Company's frame relay network between two ports or between a port and a DSL Access Service Connection Point. The extended PVC establishes a communications path on two interconnected telephone companies' frame relay networks located in adjacent serving territories between two ports or between a port and a DSL Access Service Connection Point.

At the time service is ordered the number of PVCs will be identified along with their Committed Information Rates. CIR is the bit rate at which the FRAS network commits to transfer data. Committed Information Rates provide for frame relay switch throughput at designated speeds. (See 16.1.2 (A) (3) following.) This information is required for network routing purposes.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.1 General (Cont'd)(C) Service Provided by More than One Telephone Company

There are two types of arrangements available for Frame Relay Access Service (FRAS) when the service is provided by more than one Telephone Company, i.e., Jointly-Provided FRAS and Interconnected FRAS as described below.

(1) Jointly-Provided FRAS

When the transport facility between the customer designated premises and a wire center equipped with a frame relay switch is provided by more than one Telephone Company, the Telephone Companies involved will provide a Special Access Service facility as set forth in Section 7 preceding, and in accordance with Sections 2.4.7 and 5.3, preceding.

Jointly-Provided FRAS service includes: the End User Port, the Inter-network Customer Port, and Permanent Virtual Connections (PVC) which have associated Committed Information Rates (CIRs). A Special Access Service facility is used to connect to the frame relay switch.

Connections are provided via Channel Termination(s) and Channel Mileage (See Section 7 Special Access Digital Data and High Capacity Services preceding). All regulations, rates and charges as specified in Section 7 will apply in addition to the rates and charges associated with FRAS. A generic view of jointly-provided FRAS is shown in Section 16.1.2(A), following.

The Telephone Company that provides the frame relay switch will bill an End User Port charge for the end user port connection and/or an Inter-network Customer Port charge for the inter-network customer port connection.

The Special Access Service, End User Port and/or Inter-network Customer Port charge(s) will apply in lieu of the Frame Relay Access Connection or Frame Relay Inter-network Connection.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.1 General (Cont'd)(C) Service Provided by More than One Telephone Company (Cont'd)(2) Interconnected FRAS

Interconnected FRAS allows the Telephone Company to interconnect its frame relay network with another telephone company's frame relay network. Interconnected FRAS provides connections between telephone companies in adjacent serving territories and in non-adjacent serving territories.

(a) Adjacent Serving Territories

In order to connect the Telephone Company's frame relay switch to a frame relay switch of another telephone company that is located in an adjacent serving territory, the customer must order Extended Permanent Virtual Connections (EPVCs), which have associated CIRs. The EPVCs are in addition to the Frame Relay Access Connection (FRAC) and/or Frame Relay Inter-network Connection (FRIC) that are required to complete the connection from the Customer's Designated Premises (CDP) to the Telephone Company's frame relay switch. A generic view of Interconnected FRAS between adjacent serving territories is shown in Section 16.1.2 (A), following.

(b) Non-Adjacent Serving Territories

In order to connect the Telephone Company's frame relay switch to a frame relay switch of another telephone company that is located in a nonadjacent serving territory, the customer must order Internetwork Customer Ports (ICPs) and a High Capacity Special Access Channel Mileage Facility to connect the two networks. These elements are in addition to the FRAC and/or the FRIC and the Standard Permanent Virtual Connections (SPVCs), which have associated CIRs, that are required to complete the connection from the CDP to the Telephone Company's ICP.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.1 General (Cont'd)(C) Service Provided by More than One Telephone Company (Cont'd)(2) Interconnected FRAS (Cont'd)(b) Non-Adjacent Serving Territories (Cont'd)

Connections between the two Telephone Companies' ICPs are provided using 1.544 Mbps and/or 44.736 Mbps High Capacity Channel Mileage Facility (See Section 7.10 High Capacity Special Access Services preceding). Channel Mileage Termination(s) do not apply. A generic view of Interconnected FRAS between nonadjacent serving territories is shown in Section 16.1.2(A), following.

(D) Ordering Options and Conditions

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

A minimum of two FRAS connections are required for data to be transported between customer designated premises.

(E) Acceptance Testing

At no additional charge, the Telephone Company will, at the customer's request, cooperatively test at the time of installation.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

16.1 Frame Relay Access Service (Cont'd)

16.1.2 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Frame Relay Access Service.

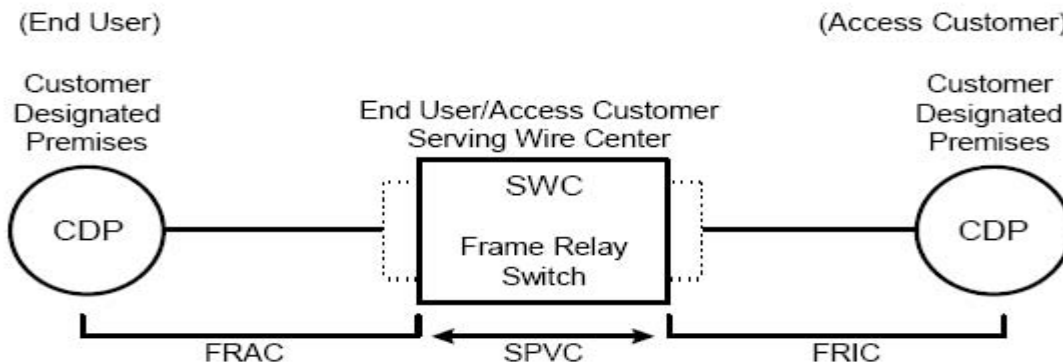
Frame Relay Access Service is available at the wire centers as identified in NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4. In the case of Interconnected Frame Relay Access Service, NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4 also identifies the intermediate and super intermediate wire centers.

(A) Rate Categories

The following diagrams depict a generic view of the components of Frame Relay Access Service and the manner in which the components are combined to provide FRAS, Interconnected FRAS, and Jointly-Provided FRAS.

Frame Relay Access Service

Customer's Serving Wire Center is equipped with a frame relay switch



RATE ELEMENTS

- FRAC = Frame Relay Access Connection
- SPVC = Standard Permanent Virtual Connection
- FRIC = Frame Relay Inter-network Connection

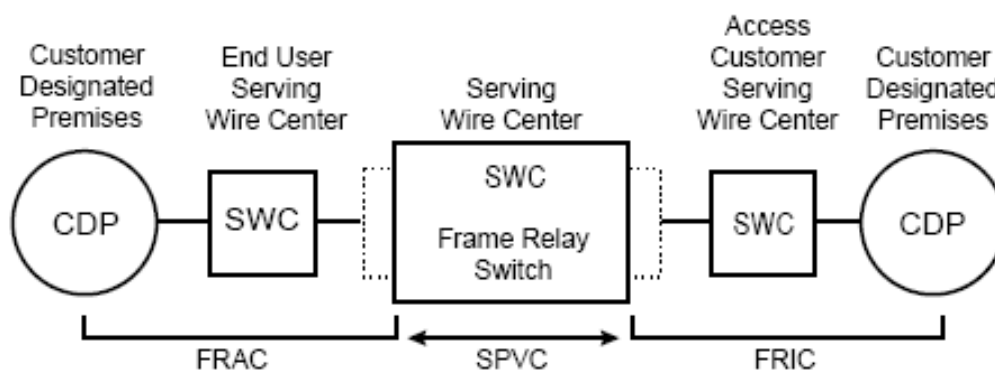
ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.2 Rate Regulations (Cont'd)

This section contains the specific regulations governing the rates and charges that apply for Frame Relay Access Service.

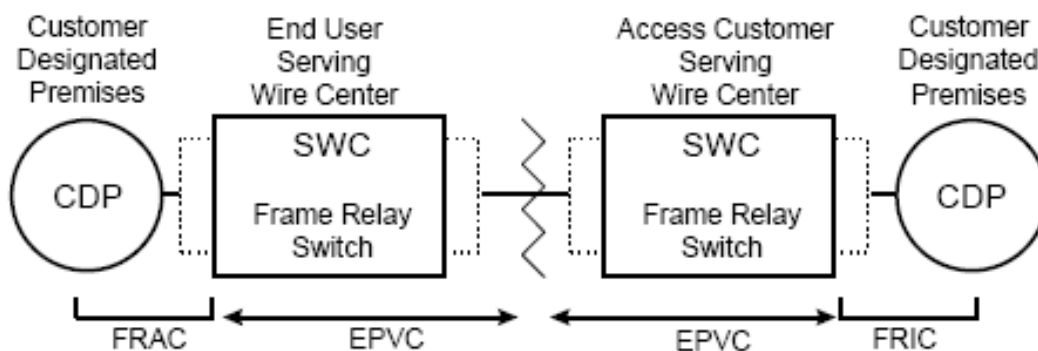
(A) Rate Categories (Cont'd)

Frame Relay Access Service
Customer's Serving Wire Center is not equipped with a frame relay switch.

**Interconnected FRAS Between Adjacent Serving Territories**

EC A *

EC B *

RATE ELEMENTS

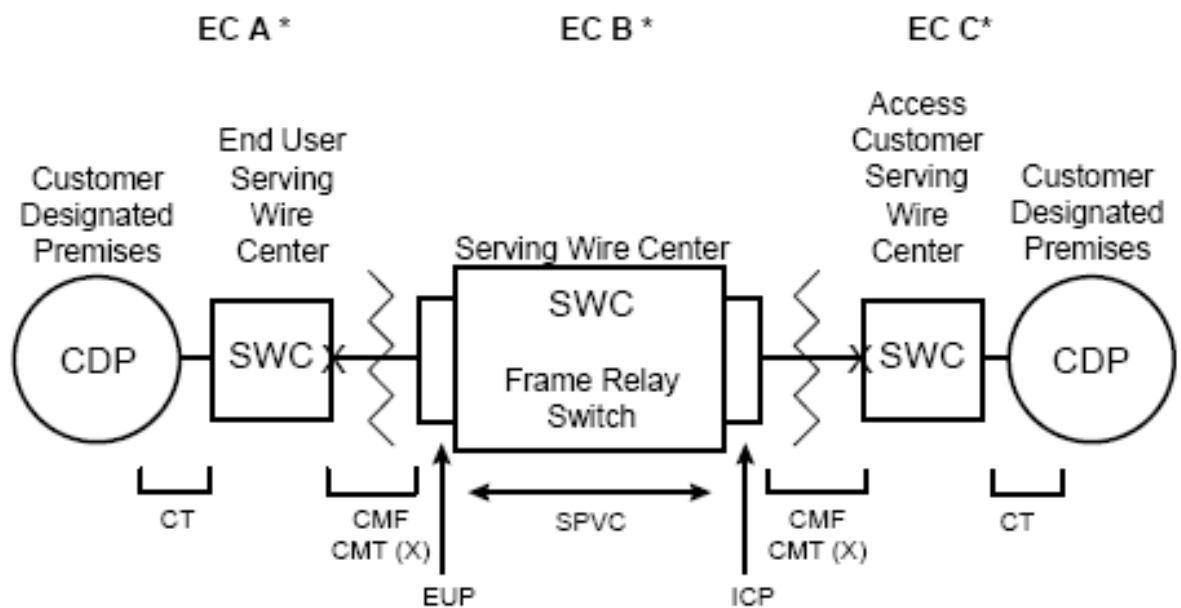
- FRAC = Frame Relay Access Connection
- EPVC = Extended Permanent Virtual Connection
- FRIC = Frame Relay Inter-network Connection

* If EC A or EC B is a non-NECA company, the application of their charges will depend upon EC A or EC B's access tariff.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.2 Rate Regulations (Cont'd)

This section contains the specific regulations governing the rates and charges that apply for Frame Relay Access Service.

(A) Rate Categories (Cont'd)**Jointly-Provided Frame Relay Access Service**

RATE ELEMENTS

	(Special Access Service)	(Frame Relay Access Service)
EC "A"	<input type="checkbox"/> CT = Channel Termination <input type="checkbox"/> CMT = Channel Mileage Termination <input type="checkbox"/> CMF = Channel Mileage Facility	
EC "B"	<input type="checkbox"/> CMF = Channel Mileage Facility <input type="checkbox"/> CMF = Channel Mileage Facility	- EUP = End User Port - SPVC = Standard Permanent Virtual Connection - ICP = Inter-network Customer Port
EC "C"	<input type="checkbox"/> CT = Channel Termination <input type="checkbox"/> CMT = Channel Mileage Termination <input type="checkbox"/> CMF = Channel Mileage Facility	

* If EC A, EC B or EC C is a non-NECA company, the application of their charges will depend upon EC A, EC B or EC C's access tariff.

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ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

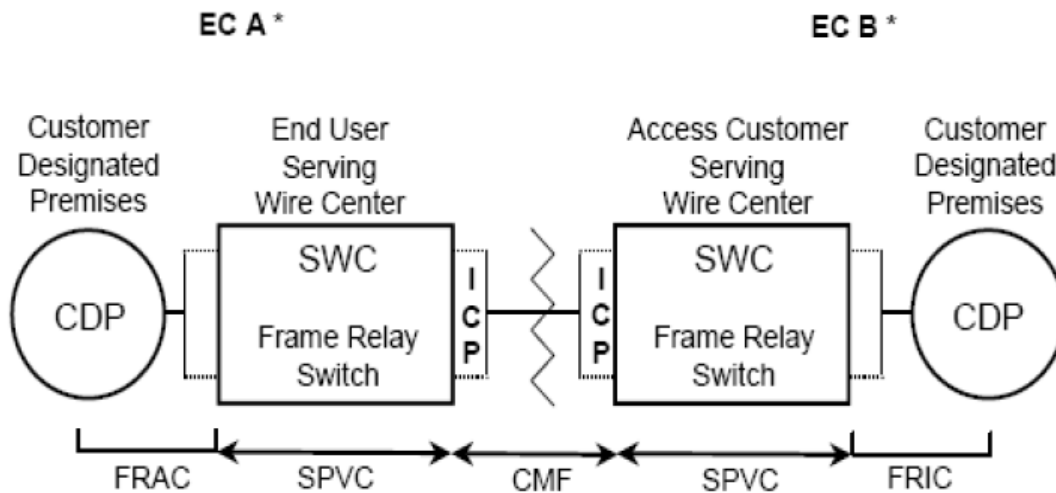
16.1 Frame Relay Access Service (Cont'd)

16.1.2 Rate Regulations (Cont'd)

This section contains the specific regulations governing the rates and charges that apply for Frame Relay Access Service.

(A) Rate Categories (Cont'd)

Interconnected FRAS Between Non-Adjacent Serving Territories



RATE ELEMENTS

(Special Access Service)

(Frame Relay Access Service)

EC "A" -CMF = Channel Mileage Facility

FRAC = Frame Relay Access Connection
SPVC = Standard Permanent Virtual Connection
ICP = Internetwork Customer Port

EC "B" -CMF = Channel Mileage Facility

FRIC = Frame Relay Internetwork Connection
SPVC = Standard Permanent Virtual Connection
ICP = Internetwork Customer Port

* If EC A or EC B is a non-NECA company, the application of their charges will depend upon EC A or EC B's access tariff.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.2 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(1) Frame Relay Access Connection

The Frame Relay Access Connection (FRAC) rate element recovers the costs associated with the communication path between the end user's premises and the Telephone Company wire center equipped with a frame relay switch. The FRAC includes the physical transmission facility between the customer designated premises and the customer's serving wire center, the interoffice transport (if applicable) between the customer's serving wire center and a wire center equipped with a frame relay switch, and the end user port on the Telephone Company's frame relay switch.

One FRAC charge applies per customer designated premises at which the FRAS connection is terminated. This applies even if the customer designated premises and the frame relay switch are collocated in a Telephone Company building.

(2) Frame Relay Inter-network Connection

The Frame Relay Inter-network Connection (FRIC) rate element recovers the costs associated with the communication path between the access customer's premises and the Telephone Company wire center equipped with a frame relay switch. The FRIC includes the physical transmission facility between the customer designated premises and the customer's serving wire center, the interoffice transport (if applicable) between the customer's serving wire center and a wire center equipped with a frame relay switch, and the inter-network customer port on the Telephone Company's frame relay switch.

One FRIC charge applies per customer designated premises at which the FRAS connection is terminated. This applies even if the customer designated premises and the frame relay switch are collocated in a Telephone Company building.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.2 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(3) End User Port

An End User Port charge is applied as a discrete rate element in conjunction with jointly-provided Special Access Service. Refer to 7.9 and 7.10 preceding for additional applicable rates and charges.

The End User Port is the physical location in the Telephone Company switching office where the transport facility of the customer connects to the FRAS Network. It specifies how a frame relay switch sends and receives data from a frame relay end user customer's LAN or other compatible CPE devices.

The End User Port consists of either a 56.0 kbps, 64.0 kbps, 1.544 Mbps or 44.736 Mbps interface. The port connecting the transport facility to the Telephone Company frame relay switch must be ordered and provided at the same speed as the associated transport facility.

(4) Inter-network Customer Port

An Inter-network Customer Port Charge is applied in conjunction with Jointly-Provided FRAS and Interconnected FRAS between nonadjacent serving territories. Refer to Section 7.10, preceding for additional applicable rates and charges for the High Capacity Special Access Service used in conjunction with these services.

The Inter-network Customer Port is the physical location in the Telephone Company switching office where the access customer's transport facility connects to the Telephone Company's FRAS network. It specifies how a frame relay switch sends and receives data from a frame relay access customer's network.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.2 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(4) Inter-network Customer Port (Cont'd)

The Inter-network Customer Port is offered at speeds of 1.544 Mbps or 44.736 Mbps. The port connecting the transport relay facility to the Telephone Company frame relay switch must be ordered and provided at the same speed as the associated transport facility.

(5) Permanent Virtual Connection (PVC)

A PVC is a software defined communications path between two port connections or between a port connection and a DSL Access Service Connection Point.

Each PVC is provisioned with a customer selected Committed Information Rate. The CIR is a transmission speed specified by the customer. CIRs range from 8 kbps to 768 kbps. The Telephone Company will provide switch capacity to permit the customer to transmit information with guaranteed delivery at the specified CIR. The Telephone Company will permit customers to attempt to transmit beyond the specified CIR up to the actual throughput speed of the port with no guarantee of completion. Attempted transmissions above the actual throughput speed of the port will not be permitted.

Customers will be permitted to order multiple PVCs on a given port subject to switch limitations. Customers anticipating non-simultaneous transmission may order CIRs assigned to these multiple PVCs, the sum of which may theoretically exceed the actual throughput of the port. However, when simultaneous transmission of multiple PVCs occurs, the total of the transmission rate (CIRs) may not exceed the actual throughput of the port.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.2 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(5) Permanent Virtual Connection (PVC)

There are two types of PVCs available. The standard PVC establishes a communications path within the Telephone Company's frame relay network between two ports or between a port and a DSL Access Service Connection Point. The extended PVC establishes a communications path on two interconnected telephone companies' frame relay networks located in adjacent serving territories between two ports or between a port and a DSL Access Service Connection Point.

(B) Types of Rates and Charges

There are two types of rates and charges. They are monthly rates and nonrecurring charges. The rates and charges are described as follows:

(1) Monthly Rates

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

(2) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for FRAS are: installation of service and service rearrangements. These charges are in addition to the Access Order Charge as specified in 17.4.1 following:

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.2 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(a) Installation of Service

Nonrecurring charges apply for the installation of Frame Relay Access Connections (FRAC), Frame Relay Internetwork Connections (FRIC), and Permanent Virtual Connections (PVC).

A nonrecurring charge applies per FRAC or FRIC installed and is based on the speed of the connection.

A nonrecurring charge applies per PVC installed.

(b) Service Rearrangements

Service Rearrangements are changes to existing (installed) services.

A PVC Rearrangement Charge will be applied whenever a change is made to the CIR of an existing PVC after initial port installation and/or a change is made to the terminating port destination of the PVC.

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

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.2 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)

(c) Moves

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

- The Point of Termination at the customer's premises
- The customer's premises

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

(i) Moves Within the Same Building

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements. This charge is in addition to the Access Order Charge as specified in 17.4.1 following.

(ii) Moves To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.2 Rate Regulations (Cont'd)(C) Minimum Period

The minimum period for FRAS is one month and the full monthly rate will apply to the first month. Adjustments for quantities of services established or discontinued in any billing period beyond the minimum period are as set forth in 2.4.1(F) preceding.

The minimum period for discounted FRAS is twelve months as set forth in 2.4.2 and 5.5.1 preceding.

16.1.3 Optional Rate Plans

A Term Discount plan is available for Frame Relay Access Service (FRAS). The Term Discount applies to the Frame Relay Access Connection and Frame Relay Inter-network Connection charges. The End User Port and Inter-network Customer Port charges are eligible for term discounts where the associated Special Access Service facility is eligible for a Special Access Service Term Discount. The conditions under which End User Port and Inter-network Customer Port Term Discounts apply are specified in 7.2.8(A)(1) preceding while the Term Discount percentage is as set forth in 17.4.8(A)(5) following. The Permanent Virtual Connections (PVC) are not eligible for a Term Discount. Under the Term Discount plan, the current monthly rates for eligible services are reduced by a fixed percentage. The amount of the discount percentage differs based on the length of the service commitment period selected by the customer. The Term Discount percentages for FRAS are as set forth in 17.4.8(A)(5) following.

Discounts for the Term Discount plan are only applied to FRAS provided to a customer within the same state and LATA by the same Telephone Company.

The Term Discount Optional Rate Plan is only available to those Telephone Companies listed in 17.3.10(A)(1) following.

The minimum service period on a month-to-month basis is one month. Under an Optional Rate Plan, the minimum service period is twelve months.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.3 Optional Rate Plans (Cont'd)(A) Term Discounts

FRAS may be ordered at the customer's option on a month-to-month basis or for Term Discount periods of 36 months (3 years) or 60 months (5 years).

The minimum service period for all Term Discount plans is twelve months. The customer must specify the length of the service commitment period at the time the service is ordered.

For customers that subscribe to the Term Discount plan for 36 or 60 months, the Term Discount percentage as set forth in 17.4.8(A)(5) following will be frozen from Company initiated decreases for the entire discount period at the percent in effect at the beginning of the Term Discount period.

If a Term Discount Percentage increase occurs during the term of an existing Term Discount plan, the increased percentage will be applied automatically to the remainder of the current Term Discount period.

At the end of the Term Discount period, the customer may convert to month-to-month service or subscribe to a new Term Discount plan. If the customer does not make a choice by the end of the discount period, the rates will automatically convert to month-to-month service rates.

To be included in a Term Discount plan, all eligible FRAS rate elements must be ordered for the same commitment term (i.e., all 36 months or all 60 months) and with the same service date. When additional capacity is subsequently added, it will be available only on a month-to-month basis unless the discount period of the entire service is upgraded.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.3 Optional Rate Plans (Cont'd)(A) Term Discounts (Cont'd)

Eligible FRAS rate elements are those provided to a customer within the same state and LATA by the same Telephone Company. As long as the number of FRAS connections included in a Term Discount plan remains constant, customer requests to install and disconnect FRAS connections, including changes affecting different wire centers and/or customer designated premises, will not change the current Term Discount period or the minimum service period, and Discontinuance of Service charges as set forth in (3) following will not apply.

(1) Upgrades in Term Discounts

Services provided under month-to-month rates or Term Discount rates may be upgraded to a Term Discount plan at any time without incurring FRAS nonrecurring charges or discontinuance charges for existing services. The new Term Discount plan must meet or exceed the service term of the plan being upgraded. For example, a service with a 36 month commitment period may be upgraded to a new 36 month or 60 month service period. The monthly rates will be those that are in effect at the time the service is upgraded. A new minimum service period applies to all FRAS that is upgraded.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.3 Optional Rate Plans (Cont'd)(A) Term Discounts (Cont'd)(2) Upgrades in Capacity

If the customer chooses to upgrade a service under the Term Discount plan to a higher capacity (e.g., from 56.0 kbps to 64.0 kbps or from 56.0 kbps or 64.0 kbps to 1.544 Mbps), discontinuance charges will not apply, provided all the following conditions are met:

- the customer's order for the disconnect of the existing service and the installation of the new service are received at the same time and specifically reference the application of upgrade in capacity,
- the customer's disconnect order for the existing service must reference the service installation order,
- the new service has a total capacity greater than the total capacity of the service being discontinued and,
- the new Term Discount period meets or exceeds the Term Discount period being discontinued.

A new minimum service period applies to all upgrades. A Frame Relay Access Connection nonrecurring charge for an equivalent capacity of the existing services being upgraded to the higher speed service will not be assessed. FRAC nonrecurring charges will not apply to the upgraded lower speed services placed on the higher speed service if requested at the same time as the upgrade request. Nonrecurring charges will apply for capacity that exceeds the existing equivalent capacity.

Discontinuance charges will not apply should the customer choose to upgrade either a portion of or the entire FRAS under the Term Discount plan and move the service to a new customer location(s) within the same state and LATA where service is provided by the same Telephone Company.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.1 Frame Relay Access Service (Cont'd)16.1.3 Optional Rate Plans (Cont'd)(A) Term Discounts (Cont'd)(3) Discontinuance of Service

If the customer chooses to disconnect all or a portion of the service prior to the expiration of the Term Discount period, discontinuance charges will apply to the portion of the service being discontinued.

Should the customer choose to discontinue a Term Discount plan prior to the completion of the minimum service period, discontinuance charges will apply. Discontinuance charges equal to one-hundred percent of the total undiscounted monthly rates, less any amounts previously paid, will apply for the minimum service period. Additionally, discontinuance charges of fifteen percent of the total undiscounted monthly charges will apply to the remaining portion of the discount service term.

Should the customer choose to discontinue service ordered under a Term Discount plan after the minimum service period but before the completion of the discount period, discontinuance charges will apply. Discontinuance charges of fifteen percent of the total undiscounted monthly charges will apply to the remaining portion of the discount period. For example, a customer has a 1.544 Mbps Frame Relay Access Connection which it chooses to discontinue after 33 months into a 60-month service term. The discontinuance charge would be 0.15 times 27 months times the undiscounted monthly rates for that service.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service16.2.1 General

Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) is a connection-oriented transport service that is based on Asynchronous Transfer Mode (ATM) technology using fixed length, 53-byte cells. ATM cells generated by ATM-compatible customer premises equipment (CPE) are transmitted through the Telephone Company's ATM-CRS network to a pre-specified destination.

ATM-CRS provides customers requiring high-speed data transport for bandwidth intensive data, voice or video applications with the ability to interconnect multiple locations using the Telephone Company's ATM-CRS network. The customer may use ATM-CRS to interconnect its customer designated premises (CDPs) served by the Telephone Company's ATM-CRS network, to interconnect its local area network (LAN) to the Telephone Company's ATM-CRS network and/or to interconnect its CDPs to an ATM network located outside of the Telephone Company's serving territory.

16.2.2 Service Description

ATM-CRS is provided using a combination of Ports, Virtual Paths and Virtual Circuit Channels. An ATM-CRS Port is required to provide the interface into the Telephone Company's ATM-CRS network. A Virtual Path (VP) is required to establish a transmission path between any two ATM-CRS Ports. Virtual Circuit Channels (VCCs) may be ordered from the Telephone Company to establish a communications path between any two CDPs or established by the customer using its own equipment.

Service is provided, where available, between CDPs and designated Telephone Company Serving Wire Centers (SWCs). ATM-CRS will be furnished where suitable facilities exist as determined by the Telephone Company. The Telephone Company will identify its ATM-CRS equipped Serving Wire Centers in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. Tariff F.C.C. NO. 4

Rates and charges for ATM-CRS are specified in Section 17.4.8(B), following. The application of rates and charges for ATM-CRS is described later in this Section.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.3 Obligations of the Customer

In addition to the regulations described in other sections of this tariff, the following provisions apply to ATM-CRS:

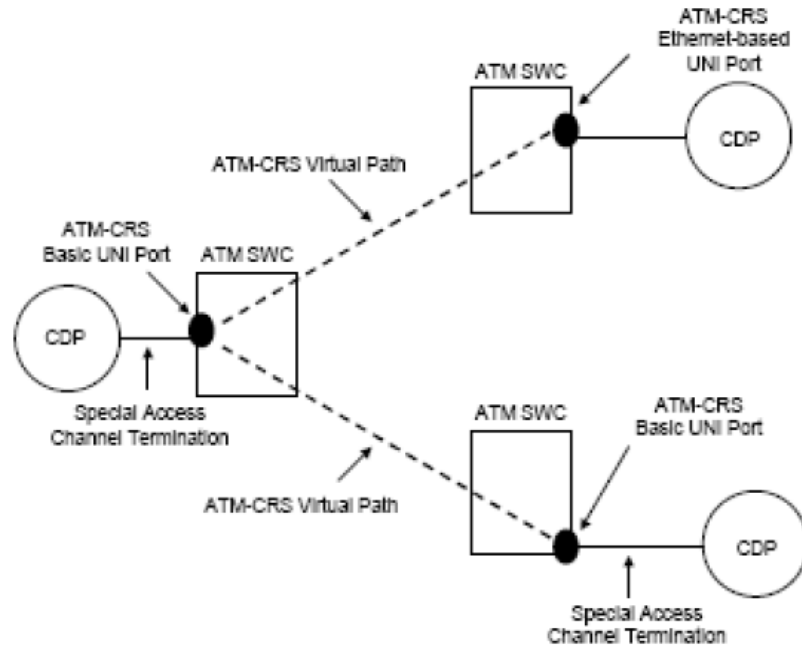
- (A) The customer is responsible for providing the Telephone Company with the necessary information to provision ATM-CRS as specified in Section 5.2 Ordering Requirements, preceding.
- (B) The customer is responsible for providing and maintaining all required customer premises equipment (CPE), which is compatible with ATM-CRS and complies with the standards specified in the following publications: The ATM Forum Technical Committee ATM User-Network Interface (UNI) Signaling Specification (Version 4.0), Private Network-Network Interface Specification (Version 1.0) and BISDN Inter Carrier Interface (B-ICI) Specification (Version 2.0). A customer ordering Ethernet-based ATM-CRS Ports is also responsible for ensuring that its CPE complies with the standards specified in Technical Reference IEEE Std. 802.3-2005, Part 3, Section 1, Clause 15 for 10BASE-F, Section 2, Clause 26 for 100BASE-F, and Section 3, Clauses 34 through 38 for 1000BASE-X connections. A customer ordering the ATM-CRS Port Internet Protocol (IP) Function is also responsible for ensuring that its CPE hands off IP packets to the Telephone Company's ATM-CRS network in a format that complies with the standards specified in the Internet Engineering Task Force Request For Comments (RFC) 791 entitled "INTERNET PROTOCOL, DARPA Internet Program Protocol Specification" (September 1981) and RFC 1483 entitled "Multiprotocol Encapsulation over ATM Adaptation Layer 5" (July 1993).

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations

This section contains the regulations governing the rates and charges that apply for ATM-CRS. Regulations governing the rates and charges for Special Access Services provided under this tariff used in conjunction with ATM-CRS are as specified in Section 7 preceding. The following diagrams depict generic views of the components of ATM-CRS. In the first figure, all of the customer's CDPs are served by ATM-CRS equipped SWCs. The ATM-CRS customer orders the applicable ATM-CRS components pursuant to the provisions specified in this section and the applicable Special Access Service components pursuant to the provisions specified in Section 7, preceding.

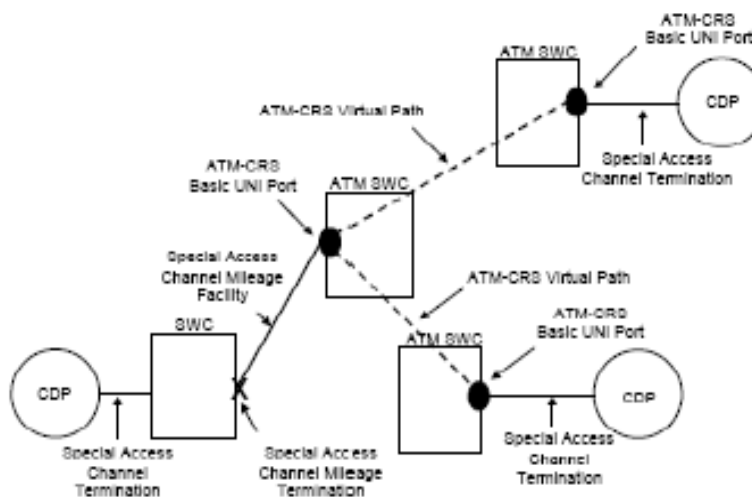
Figure 1



ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)

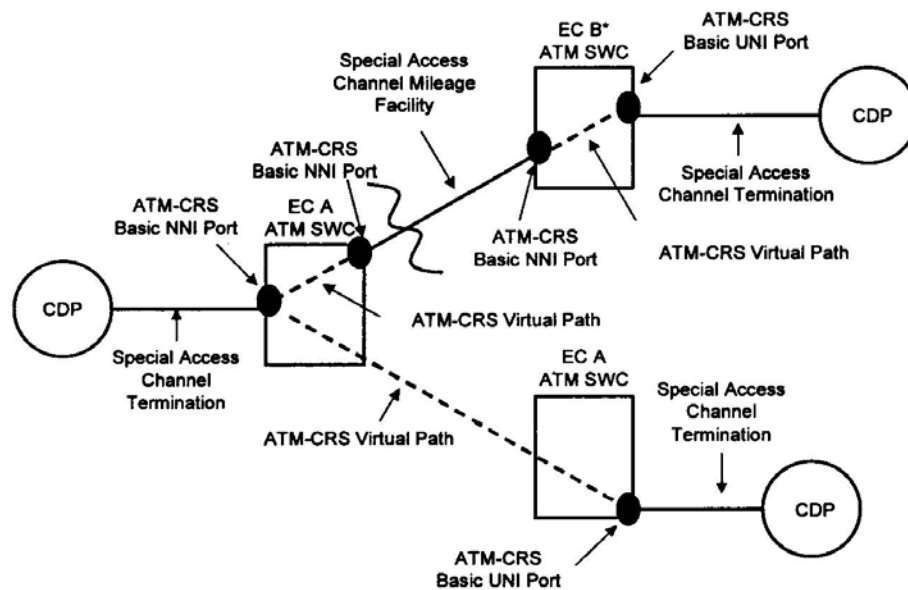
In the second figure, one of the customer's CDPs is not served by an ATM-CRS equipped SWC. The ATM-CRS customer orders the applicable ATM-CRS components pursuant to the provisions specified in this section and the applicable Special Access Service components pursuant to the provisions specified in Section 7, preceding.

Figure 2

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)

In the third figure, one of the customer's CDPs is served by another telephone company's ATM network. The ATM-CRS customer orders the applicable ATM-CRS components from the Telephone Company pursuant to the provisions specified in this section and the applicable Special Access Service components pursuant to the provisions specified in Section 7, preceding. In addition, the customer will order the applicable ATM and special access services components from the distant telephone company.

Figure 3

* IF EC B is a non-NECA company, the application of charges will depend on its access tariff.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(A) Rate Categories

The various ATM-CRS service components are described below.

(1) ATM-CRS Ports

An ATM-CRS Port receives ATM cells from the customer's ATM-compatible CPE, validates the addressing parameters contained in the cell headers, and transmits the cells into the ATM-CRS network. The ATM-CRS Port also receives ATM cells from the Telephone Company's ATM-CRS network or from an ATM network located outside of the Telephone Company's serving territory, validates the addressing parameters contained in the cell headers, and transmits the cells to the pre-designated CDP.

ATM-CRS Ports are available with a User Network Interface (UNI) or a Network to Network Interface (NNI) as described below. Each ATM-CRS Port must be associated with a minimum of one ATM-CRS Virtual Path or DSL Access Service Connection optional function.

Interconnection of the Telephone Company's ATM-CRS network to another ATM network located outside of the Telephone Company's serving territory is provided using ATM-CRS Basic NNI ports and Telephone Company provided Special Access Services.

(a) Basic User Network Interface (UNI) Port

Basic UNI Ports provide a port only interface to the Telephone Company's ATM-CRS network and do not include the required transport facility between the CDP and the Telephone Company's SWC at which the basic UNI Port is located. Transport to connect the CDP with the basic UNI Port is provided using Telephone Company provided DS1 or DS3 High Capacity and/or OC3 or OC12 Synchronous Optical Channel Special Access Services as described in Sections 7.10 and 7.11, preceding. Basic UNI Ports are available at bandwidth speeds of 1.544 Mbps, 44.736 Mbps, 155.52 Mbps and 622.08 Mbps.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(1) ATM-CRS Ports (Cont'd)(b) Ethernet-based User Network Interface (UNI) Port

Ethernet-based UNI Ports are used to interconnect the customer's Ethernet compatible CPE with the Telephone Company's ATM-CRS network and include the transport facility between the CDP and the Telephone Company's SWC, provided that the CDP is served by the SWC in which the Ethernet-based UNI Port is located. Ethernet-based UNI Ports are available at bandwidth speeds of up to 10 Mbps (i.e., 10BASE-F), up to 100 Mbps (i.e., 100BASE-F) and up to 1 Gbps (i.e., 1000BASE-X).

(c) Basic Network to Network Interface (NNI) Port

Basic NNI Ports provide a port only interface to the Telephone Company's ATM-CRS network and do not include the required transport facility between the CDP and the Telephone Company's SWC at which the basic NNI Port is located. Transport to connect the CDP with the basic NNI Port is provided using Telephone Company provided DS1 or DS3 High Capacity and/or OC3 or OC12 Synchronous Optical Channel Special Access Services as described in Sections 7.10 and 7.11, preceding. Basic NNI Ports are available at bandwidth speeds of 1.544 Mbps, 44.736 Mbps, 155.52 Mbps and 622.08 Mbps.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(1) ATM-CRS Ports (Cont'd)(d) Ethernet-based Network to Network Interface (NNI) Port

Ethernet-based NNI Ports are used to interconnect the customer's Ethernet compatible CPE with the Telephone Company's ATM-CRS network and include a fiber only connection between the CDP and the Telephone Company's SWC, provided that the CDP is served by the SWC in which the Ethernet-based NNI Port is located. Ethernet-based NNI Ports are available at bandwidth speeds of up to 10 Mbps (i.e., 10BASE-F), up to 100 Mbps (i.e., 100BASE-F) and up to 1 Gbps (i.e., 1000BASE-X)

Monthly and nonrecurring charges apply for each ATM-CRS Port ordered.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(2) ATM-CRS Virtual Paths

An ATM-CRS Virtual Path (VP) is a predefined, logical circuit established by the Telephone Company that is required to route ATM cells between any two ATM-CRS Ports located within the Telephone Company's ATM-CRS network. VPs may be established between two ATM-CRS UNI Ports, between an ATM-CRS UNI Port and an ATM-CRS NNI Port, or between two ATM-CRS NNI Ports. VPs are available in increments of 1 Mbps. The bandwidth capacity on a VP may not exceed the maximum bandwidth of the associated ATM-CRS Ports. In addition to specifying the bandwidth capacity required on its order, the customer must specify one of the following traffic routing prioritization parameters for each VP ordered.

(a) Constant Bit Rate (CBR)

CBR supports applications that require special network timing and minimal delay to ensure steady data flow of user information through the ATM-CRS network. Examples of applications requiring CBR include voice, some types of video and circuit emulation for higher speed special access services. CBR is the highest priority traffic on the network.

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

VBR-rt supports applications for which the data flow is bursty and requires low delay variance in ATM cell transmissions. Examples of applications requiring VBR-rt include voice and video.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(2) ATM-CRS Virtual Paths (Cont'd)(c) Variable Bit Rate – non real time (VBR-nrt)

VBR-nrt supports applications for which the data flow is bursty and variable delays in ATM cell transmissions can be tolerated. Examples of applications requiring VBR-nrt include file transfer, multimedia and computer aided design/computer aided manufacturing (CAD/CAM).

(d) Unspecified Bit Rate (UBR)

UBR supports applications for which the data flow is bursty and delay tolerant using "best effort" engineering. The Telephone Company will attempt to deliver all ATM cells received on a UBR VP, however, network congestion may result in a loss of ATM cells. Examples of applications requiring UBR include interactive data sessions, file transfers, monitoring and signaling.

Monthly and nonrecurring charges apply for each VP ordered. The monthly recurring charge is comprised of a fixed path charge and a variable bandwidth capacity charge, which is calculated based on the total bandwidth of the VP.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(3) ATM-CRS Virtual Circuit Channels (VCCs)

An ATM-CRS Virtual Circuit Channel (VCC) is a pre-defined logical circuit used to route ATM cells between any two CDPs served by the Telephone Company's ATM-CRS network. VCCs may be established by the customer using its CPE or by the Telephone Company in its ATM-CRS network via the service order process.

Monthly and nonrecurring charges apply for each VCC ordered by the customer. Rates and charges specified in Section 17.4.7(B)(3), following, do not apply to VCCs established by the customer.

(4) Optional Features and Functions

(a) [Reserved for Future Use]

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(4) Optional Features and Functions (Cont'd)(b) ATM-CRS Port Internet Protocol (IP) Function

Where available, ATM-CRS UNI and/or NNI Ports may be equipped with the ATM-CRS Port Internet Protocol (IP) Function. This non-chargeable optional function allows the customer to transmit IP packets, which were formatted by the customer's CPE in conformance with the standards specified in the Internet Engineering Task Force Request For Comments (RFC) 791 entitled "INTERNET PROTOCOL, DARPA Internet Program Protocol Specification" (September 1981) and RFC 1483 entitled "Multiprotocol Encapsulation over ATM Adaptation Layer 5" (July 1993), through the Telephone Company's ATM-CRS network. Monthly and nonrecurring charges do not apply to the ATM-CRS Port IP Function. When this function is installed subsequent to the installation of the ATM-CRS Port or removed from an existing ATM-CRS Port, an Access Order Charge as specified in Section 17.4.1, following, will apply per order.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges

There are two types of rates and charges. They are monthly rates and nonrecurring charges. The rates and charges are described below:

(1) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof that an ATM-CRS service component is provided. For billing purposes, each month is considered to have 30 days.

(2) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for ATM-CRS are installation of service, service rearrangements, moves and MM-VCC Design Changes. Except as specified below, these charges are in addition to the Access Order Charge as specified in Section 17.4.1, following.

(a) Installation of Service

Nonrecurring charges apply for installation of Ports, VPs, VCCs, and Optional Features and Functions ordered by the customer.

(b) Service Rearrangements

Service rearrangements are changes to existing (i.e., installed) services, which may be administrative only in nature as set forth below or, that involve an actual physical change to the service.

The VP nonrecurring charge will apply per VP to change the bandwidth capacity and/or to change the traffic routing prioritization parameter on an existing VP.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(b) Service Rearrangements (Cont'd)

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

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction

(c) Moves

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

- The Point of Termination at the customer's premises
- The customer's premises

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(c) Moves (Cont'd)

The charges for moving ATM-CRS service components are dependent on whether the move is to a different location within the same building, to a different building within the same SWC, or to a different building in a different SWC. The charges specified below apply in addition to any applicable charges for moving the associated Special Access Services as specified in Section 7.2.3, preceding.

(i) Moves Within the Same Building

Port only interfaces (i.e., Basic UNI/NNI Ports), VPs and VCCs are not impacted when a customer moves its Point of Termination to a different location within the same building. The charge for moving an Ethernet-based UNI or Ethernet-based NNI Port within the same building will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the port. There will be no change in the minimum period requirements.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(c) Moves (Cont'd)(ii) Moves To a Different Building Within the Same SWC

Port only interfaces (i.e., Basic UNI/NNI Ports), VPs and VCCs are not impacted when a customer moves its Point of Termination to a different building within the same SWC. The move of an Ethernet-based UNI or Ethernet-based NNI Port will be treated as a discontinuance and start of service. Associated nonrecurring (i.e., installation) charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

(iii) Moves to a Different Building in a Different SWC

A move to a different building in a different SWC will be treated as a discontinuance and start of service of all associated ATM-CRS service components. Associated nonrecurring (i.e., installation) charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(d) MM-VCC Design Changes

The MM-VCC Design Change Charge specified in Section 17.4.7(B)(4)(a)(v), following, will apply per MM-VCC, when the customer elects to change the bandwidth capacity of an existing MM-VCC or to remove an existing MM-VCC from an associated ADSL Access Service line. Access Order Charges will not apply when MM-VCC Design Change Charges are applicable.

(C) Minimum Periods

The minimum period for ATM-CRS service components provided to a customer and for which charges are applicable are:

- Twelve months for ATM-CRS Ports
- One month for ATM-CRS Virtual Paths and Virtual Circuit Channels

When a customer replaces its existing ATM-CRS service with a new Ethernet Transport Service provided pursuant to Section 16.3, following, the Telephone Company will waive any unsatisfied minimum period charges that may otherwise be applicable.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan

An optional term discount plan is available for Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS). Under the ATM-CRS Term Discount Plan, the monthly rates for eligible ATM-CRS service elements are reduced by a fixed percentage. The amount of the discount percentage differs based on the length of the term commitment period selected by the ATM-CRS customer.

ATM-CRS may be ordered at the customer's option on a month-to-month basis or, under a single term commitment period of either 36 months or 60 months. The customer must notify the Telephone Company in writing of the length of its selected term commitment period. For purposes of this plan, all ATM-CRS Basic User Network Interface (UNI), ATM-CRS Basic Network to Network Interface (NNI), ATM-CRS Ethernet-based UNI and ATM-CRS Ethernet-based NNI Ports included in a customer's ATM-CRS Term Discount Plan are referred to as committed ATM-CRS Ports. To be included in an ATM-CRS Term discount Plan, all committed ATM-CRS Ports must be ordered for the same term commitment period (i.e., all 36 months or all 60 months) and remain in-service at the same bandwidth capacity throughout the entire term commitment period. ATM-CRS Ports installed after the establishment of the customer's ATM-CRS Term Discount Plan may be ordered on a month-to-month basis or added as additional committed ATM-CRS Ports to a customer's existing term commitment period as described in (A), below.

Access Order Charges as described in Section 5.4.1, preceding, do not apply to establish a new or make any changes to an existing ATM-CRS Term Discount Plan.

The monthly rates for ATM-CRS service elements are set forth in Section 17.4.7(B), following. The term discount percentages for the ATM-CRS Term Discount Plan are set forth in Section 17.4.7(B)(5), following.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)

The term discount percentage for the customer's selected term commitment period applies to all committed ATM-CRS Ports provided within the Telephone Company's operating territory. The term discount percentage also applies to the following eligible ATM-CRS elements when these elements are provided within the Telephone Company's operating territory and associated with a committed ATM-CRS Port: 1) ATM-CRS Virtual Paths (VPs); 2) ATM-CRS Virtual Circuit Channels (VCCs); 3) ATM-CRS Digital Subscriber Line VCCs (DSL VCCs); and 4) ATM-CRS MultiMedia VCCs (MM-VCCs). Since there are no bandwidth or in-service requirements for ATM-CRS VPs, ATM-CRS VCCs, ATM-CRS DSL VCCs and ATM-CRS MM-VCCs associated with committed ATM-CRS Ports under the ATM-CRS Term Discount Plan, customer ordered disconnects of or changes to the number or bandwidth capacities for these elements do not affect the customer's ATM-CRS Term Discount Plan.

The term discount percentage does not apply to: 1) ATM-CRS Ports ordered on a month-to-month basis; 2) ATM-CRS VPs, ATM-CRS VCCs, ATM-CRS DSL VCCs and ATM-CRS MM-VCCs that are not associated with a committed ATM-CRS Port; 3) ATM-CRS nonrecurring charges; and 4) special access services connected to an ATM-CRS Port.

Except as specified in (A)-(C), below, discontinuance charges will apply when the customer fails to satisfy the term commitment period or the in-service requirements for its committed ATM-CRS Ports.

The term discount percentage set forth in Section 17.4.7(B)(5), following, will not be subject to Telephone Company initiated decreases during the customer's selected term commitment period.

If a term discount percentage increase occurs during the term of an existing ATM-CRS Term Discount Plan, the increased percentage will be applied automatically for the remainder of the customer's existing term commitment period.

At the end of the term commitment period, the customer may subscribe to a new ATM-CRS Term Discount Plan commitment period or revert to month-to-month rates. If the customer does not notify the Telephone Company in writing of its choice by the end of its existing term commitment period, the Telephone Company will automatically convert the customer's ATM-CRS billing to month-to-month rates. An Access Order Charge will not apply when a customer at the end of its existing term commitment period subscribes to a replacement ATM-CRS Term Discount Plan or reverts to month-to-month rates.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)(A) ATM-CRS Port Additions

An ATM-CRS Term Discount Plan customer will choose one of the following options when ordering a new ATM-CRS Port during its existing term commitment period:

- (1) Add the new ATM-CRS Port to its existing ATM-CRS Term Discount Plan provided: 1) the customer commits to retain the newly installed ATM-CRS Port in-service at the same bandwidth capacity for the remainder of the existing term commitment period and 2) the ATM-CRS Port is being added before the last year of an existing term commitment period. The term commitment period of the customer's existing ATM-CRS Term Discount Plan will continue uninterrupted. During the last year of the commitment period, ATM-CRS Ports may not be added to an existing term commitment period.
- (2) Order the new ATM-CRS Port on a month-to-month basis. No term discount percentage would apply to the newly installed ATM-CRS Port. The term commitment period of the customer's existing ATM-CRS Term Discount Plan will continue uninterrupted.
- (3) Replace the existing ATM-CRS Term Discount Plan in its entirety with a new ATM-CRS Term Discount Plan as described in (C), below.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)(B) Committed ATM-CRS Port Replacements

- (1) An ATM-CRS Term Discount Plan customer may disconnect a committed ATM-CRS Port before the end of its existing term commitment period and replace it with one or more newly installed committed ATM-CRS Port(s) without the application of a discontinuance charge as described in (D), below, provided: 1) the bandwidth capacity of the replacement committed ATM-CRS Port(s) is equal to or greater than the bandwidth capacity of the disconnected committed ATM-CRS Port; 2) the customer commits to retain the replacement committed ATM-CRS Port(s) in-service at the same bandwidth capacity for the remainder of the existing term commitment period; 3) the replacement committed ATM-CRS Port(s) is added to the existing term commitment before the last year of an existing term commitment period; and 4) the customer's orders for the disconnection of the originally committed ATM-CRS Port and installation of the replacement committed ATM-CRS Port(s) are submitted to the Telephone Company at the same time and include cross references as described in Section 5.2.7, preceding.
- (2) If the bandwidth capacity of the newly installed committed ATM-CRS Port(s) is less than the bandwidth capacity of the disconnected committed ATM-CRS Port, the disconnected committed ATM-CRS Port will be subject to a discontinuance charge as described in (D), below. The newly installed port(s) can be added as a committed ATM-CRS Port to the existing term commitment period or ordered on a month-to-month basis as described in (A), above.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)(B) Committed ATM-CRS Port Replacements (Cont'd)

- (3) Since newly installed ATM-CRS Ports cannot be added to an existing term commitment period during the last year of the commitment period, an existing committed ATM-CRS Port disconnected during the last year of the commitment period cannot be replaced as described in (B)(1), above. The disconnected committed ATM-CRS Port will be subject to a discontinuance charge as described in (D), below. During the last year of the term commitment period, newly installed ATM-CRS Ports can be ordered as described in (A), above.
- (4) An ATM-CRS Term Discount Plan customer may disconnect a committed ATM-CRS Port before the end of its existing term commitment period and replace it with one or more newly installed committed ETS Port(s) added to the customer's existing ETS Term Discount Plan without the application of a discontinuance charge as described in (D), below, provided: 1) the bandwidth capacity of the replacement committed ETS Port(s) is equal to or greater than the bandwidth capacity of the disconnected committed ATM-CRS Port; 2) the term commitment period remaining in the customer's existing ETS Term Discount Plan meets or exceeds the number of months remaining in the customer's existing ATM-CRS Term Discount Plan; 3) the customer commits to retain the replacement committed ETS Port(s) in-service at the same bandwidth capacity for the remainder of the customer's existing ETS Term Discount Plan term commitment period; 4) the replacement committed ETS Port(s) is added to the customer's existing ETS Term Discount Plan term commitment before the last year of an existing term commitment period; and 5) the customer's orders for the disconnection of the originally committed ATM-CRS Port and installation of the replacement committed ETS Port(s) are submitted to the Telephone Company at the same time and include cross references as described in Section 5.2.7, preceding.

Terms and conditions for the ETS Term Discount Plan are specified in Section 16.3.5, following.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)(C) ATM-CRS Term Discount Plan Replacements

- (1) The customer may replace an existing ATM-CRS Term Discount Plan in its entirety with a new ATM-CRS Term Discount Plan without the application of a discontinuance charge as described in (D), below, provided: 1) the term commitment period of the new ATM-CRS Term Discount Plan meets or exceeds the number of months remaining in the customer's existing ATM-CRS term commitment period and 2) the bandwidth capacity of the committed ATM-CRS Ports under the new ATM-CRS Term Discount Plan meets or exceeds the bandwidth capacity of the committed ATM-CRS Ports in the customer's existing ATM-CRS term commitment period. The term discount percentage applicable for the new ATM-CRS Term Discount Plan will apply on a going forward basis based on the customer's written request to establish a new ATM-CRS Term Discount Plan commitment period under this provision.

For example, a customer with an existing 36 month term commitment period and 30 Mbps of bandwidth capacity for its committed ATM-CRS Ports can replace that term commitment in its entirety with a new 36 month or 60 month term commitment period at any time during the existing term commitment period without the application of a discontinuance charge provided the bandwidth capacity of the customer's committed ATM-CRS Ports under the new term commitment period is at least 30 Mbps.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)(C) ATM-CRS Term Discount Plan Replacements (Cont'd)

- (2) When the term commitment period of a replacement ATM- CRS Term Discount Plan does not meet or exceed the number of months remaining in the customer's existing ATM-CRS Term Discount Plan commitment period, a discontinuance charge as described in (D), below, will apply.
- (3) When the term commitment period of the new ATM-CRS Term Discount Plan meets or exceeds the number of months remaining in the customer's existing ATM-CRS term commitment period, but the bandwidth capacity of the customer's committed ATM-CRS Ports under the new term commitment period is less than the bandwidth capacity of the committed ATM-CRS Ports under the customer's existing term commitment period, the following provisions will apply.
 - (a) When the total monthly undiscounted charges for the number and type of committed ATM-CRS Ports to be included in the customer's replacement ATM-CRS Term Discount Plan is equal to or greater than the total monthly undiscounted charges for the number and type of committed ATM-CRS Ports included in the customer's existing ATM-CRS Term Discount Plan, the customer will be permitted to replace its existing ATM-CRS Term Discount Plan without the application of either a discontinuance charge as described in (D), below, or a commitment shortfall charge as described in (b), below.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)(C) ATM-CRS Term Discount Plan Replacements (Cont'd)

(3) (Cont'd)

- (b) When the total monthly undiscounted charges for the number and type of committed ATM-CRS Ports to be included in the customer's replacement ATM-CRS Term Discount Plan is less than the total monthly undiscounted charges for the number and type of committed ATM-CRS Ports included in the customer's existing ATM-CRS Term Discount Plan, the customer will be permitted to replace its existing ATM-CRS Term Discount Plan under this provision, however, a commitment shortfall charge will apply. The commitment shortfall charge will apply in lieu of a discontinuance charge as described in (D), below, and will be calculated as follows:

Step 1: Determine the difference between the total monthly undiscounted charges for the number and type of committed ATM-CRS Ports included in the customer's existing ATM-CRS Term Discount Plan and the total monthly undiscounted charges for the number and type of committed ATM-CRS Ports to be included in the customer's replacement ATM-CRS Term Discount Plan.

Step 2: Multiply the result from Step 1 by 35%.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)(C) ATM-CRS Term Discount Plan Replacements (Cont'd)

(3) (Cont'd)

(b) Cont'd)

Step 3: Multiply the result from Step 2 times the number of months remaining in the existing term commitment period. For example, a customer elects to replace its existing 36 month ATM-CRS Term Discount Plan in its entirety in the 30th month of the existing term commitment period with a new 36 month ATM-CRS Term Discount Plan. The existing term plan commitment includes a total bandwidth capacity requirement of 134.208 Mbps for the customer's three 44.736 Mbps committed ATM-CRS Basic UNI Ports. In the replacement ATM-CRS Term Discount Plan, the customer will only be including one 100 Mbps committed ATM-CRS Ethernet-based UNI Port. Although the customer satisfies the term commitment length replacement requirement with the new ATM-CRS Term Discount Plan, it does not satisfy the bandwidth capacity replacement requirement and the total monthly undiscounted charges under the new term commitment period are less than the total monthly undiscounted charges under the existing term commitment period.

Using illustrative undiscounted monthly rates of \$2,485.16 for a 44.736 Mbps ATM-CRS Basic UNI Port and \$982.38 for a 100 Mbps ATM-CRS Ethernet-based UNI Port, the Telephone Company would bill the customer a commitment shortfall charge totaling \$13,593.54 based on:

Step 1: $\$7,455.48(\text{i.e., } \$2,485.16 \times 3 \text{ ports}) - \$982.38 = \$6,473.10$

Step 2: $\$6,473.10 \times 35\% = \$2,265.59$

Step 3: $\$2,265.59 \times 6 \text{ months} = \$13,593.54$

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ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)(C) ATM-CRS Term Discount Plan Replacements (Cont'd)

- (4) The customer may replace an existing ATM-CRS Term Discount Plan in its entirety with a new ETS Term Discount Plan without the application of a discontinuance charge as described in (D), below, provided: 1) the term commitment period of the new ETS Term Discount Plan meets or exceeds the number of months remaining in the customer's existing ATM-CRS term commitment period and 2) the bandwidth capacity of the committed ETS Ports under the new ETS Term Discount Plan meets or exceeds the bandwidth capacity of the committed ATM-CRS Ports in the customer's existing ATM-CRS term commitment period. The term discount percentage applicable for the new ETS Term Discount Plan will apply on a going forward basis based on the customer's written request to establish a new ETS Term Discount Plan commitment period under this provision. When the term commitment period of a replacement ETS Term Discount Plan does not meet or exceed the number of months remaining in the customer's existing ATM-CRS Term Discount Plan commitment period, a discontinuance charge as described in (D), below, will apply. Terms and conditions for the ETS Term Discount Plan are specified in Section 16.3.5, following.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)(D) Discontinuance Charges

Except as provided for in (B) and (C), above, discontinuance charges will apply when: 1) the customer disconnects a committed ATM-CRS Port prior to the end of the term commitment period; 2) the customer disconnects a committed ATM-CRS Port prior to the end of the term commitment period and the replacement committed ATM-CRS do not satisfy the requirements specified in (B), above; 3) the customer discontinues an existing ATM-CRS Term Discount Plan in its entirety prior to the end of the term commitment period; or 4) the customer replaces an existing ATM-CRS Term Discount Plan with a new ATM-CRS Term Discount Plan does not satisfy the requirements specified in (C), above.

The discontinuance charge will be equal to 35% of the total undiscounted monthly rate for each committed ATM-CRS Port included in the customer's ATM-CRS Term Discount Plan for each month remaining in the unsatisfied term commitment period. Minimum service period charges as specified in Section 16.2.4(C), preceding, would also apply, if applicable. The following examples illustrate how the Telephone Company will calculate the applicable discontinuance charge.

Example 1

A customer discontinues its existing ATM-CRS Term Discount Plan in its entirety in the 20th month of a 36 month term commitment period. The customer included three 100 Mbps committed ATM-CRS Ethernet-based UNI Ports when it established its initial term plan commitment.

Using an illustrative undiscounted monthly rate of \$982.38 for a 100 Mbps ATM-CRS Ethernet based UNI Port, the Telephone Company would bill the customer a term plan discontinuance charge totaling \$16,503.84 (i.e., \$982.38 x 35% x 3 ports x 16 months).

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.2 Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)16.2.5 ATM-CRS Term Discount Plan (Cont'd)(D) Discontinuance Charges (Cont'd)Example 2

A customer disconnects one of the four 10 Mbps committed ATM-CRS Ethernet-based UNI Ports included in its ATM-CRS Term Discount Plan in the 39th month of a 60 month term commitment period. The customer included all four of these ports when it established its initial term plan commitment.

Using an illustrative undiscounted monthly rate of \$689.01 for a 10 Mbps ATM-CRS Ethernet-based UNI Port, the Telephone Company would bill the customer a port discontinuance charge totaling \$5,064.15 (i.e., \$689.01 x 35% x 21 months).

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service16.3.1 General

Ethernet Transport Service (ETS) is a high speed data transport service that provides end-to-end transmission using Ethernet packet technology at transport speeds ranging from 5 Mbps to 1 Gbps, where available. ETS is ideal for transport of broadband multimedia traffic (i.e., voice, data and video) using variable length Ethernet packets with the ability to interconnect multiple locations using the Telephone Company's ETS network. Ethernet packets generated by Ethernet-compatible customer premises equipment (CPE) are transmitted using available capacity on shared transmission paths through the Telephone Company's ETS network to a pre-specified destination. The ETS customer may use ETS to: (1) interconnect customer designated premises (CDPs) served by the Telephone Company's ETS network, (2) interconnect with its local area network (LAN) to the Telephone Company's ETS network and/or (3) interconnect its CDPs to an Ethernet network located outside of the Telephone Company's serving territory.

16.3.2 Service Description

ETS is provided using a combination of ETS Channel Terminations (ETS CTs), ETS Ports, ETS Ethernet Virtual Connections (ETS EVCs), ETS Extended Ethernet Virtual Connections (ETS E-EVCs) and ETS Interconnected Ethernet Virtual Connections (ETS I-EVCs). As described below, ETS may be used in conjunction with Special Access High Capacity DS3 and Synchronous Optical Channel Service OC3 and OC12 Services as specified in Section 7, preceding, and with DSL Access Services as specified in Section 8, preceding.

An ETS Port is required to provide the interface into the Telephone Company's ETS network. ETS EVCs establish a shared transmission path between any two ETS Ports on the Telephone Company's ETS network. ETS E-EVCs may be ordered to connect the Telephone Company's ETS network to an adjacent telephone company's Ethernet network. ETS I-EVCs may be ordered to connect the Telephone Company's ETS network to a non-adjacent telephone company's Ethernet network as described in Section 16.3.4(A)(5), below.

The transmission quality of ETS is not guaranteed and is offered to ETS customers at a best effort level. The Telephone Company will attempt to deliver all Ethernet packets received; however, network congestion may result in a loss of Ethernet packets. Transmission speeds using copper facilities may be affected by distance from the Telephone Company central office and other technical limitations in the Telephone Company's copper network and are also not guaranteed.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.2 Service Description (Cont'd)

Service is provided, where available, between CDPs and designated Telephone Company Serving Wire Centers (SWCs). ETS will be furnished where suitable facilities exist as determined by the Telephone Company. The Telephone Company will identify its ETS-equipped Serving Wire Centers (SWCs) in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. Tariff F.C.C. No. 4.

Rates and charges for ETS are specified in Section 17.4.7(C), following. The application of rates and charges for ETS is described later in this section.

16.3.3 Obligations of the Customer

In addition to the regulations described in other sections of this tariff, the following provisions apply to ETS:

- (A) The ETS customer is responsible for providing the Telephone Company with the necessary information to provision ETS as specified in Section 5.2 Ordering Requirements, preceding.
- (B) The ETS customer is responsible for providing and maintaining all required CPE, which is compatible with ETS and complies with the standards specified in Technical Reference IEEE Standard 802.3-2005, Part 3, Sections 1 through 5.

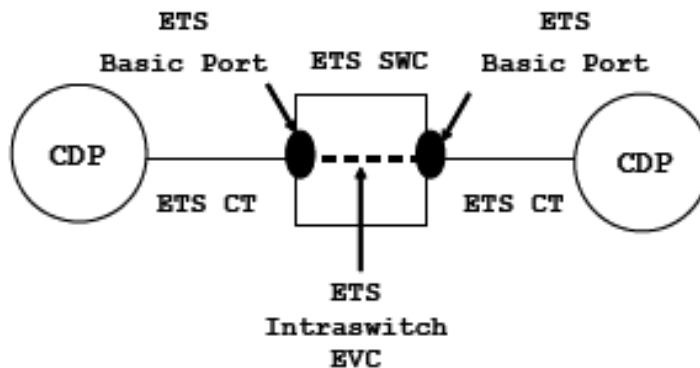
ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations

This section contains the regulations governing the rates and charges that apply for ETS. Regulations governing the rates and charges for Special Access and DSL Access Services provided under this tariff used in conjunction with ETS are as specified in Section 7 and 8, preceding.

The following diagrams depict generic views of the elements of ETS. In the first figure, the ETS customer's CDPs are served by a single ETS SWC. ETS EVCs ordered between two ETS Ports in the same SWC are classified as ETS Intraswitch EVCs. The ETS customer orders the applicable ETS elements from the Telephone Company pursuant to the provisions specified in this section.

Figure 1



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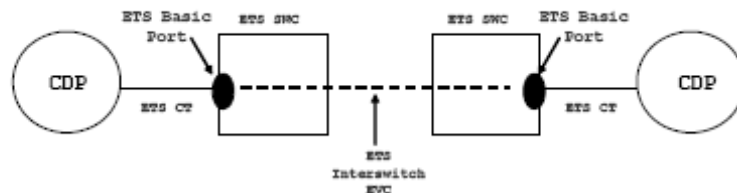
16. Public Packet Data Network (Cont'd)

16.3 Ethernet Transport Service (Cont'd)

16.3.4 Rate Regulations (Cont'd)

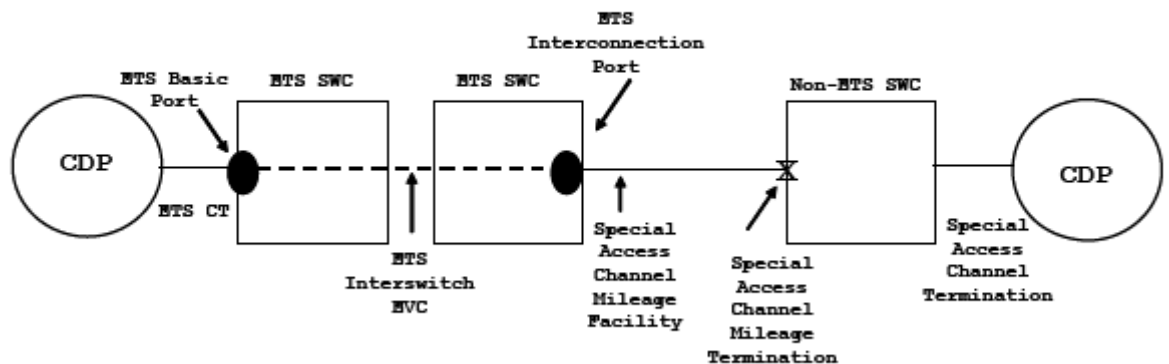
In the second figure, the ETS customer's CDPs are served by different ETS SWCs. ETS EVCs ordered between two ETS Ports in different SWCs are classified as ETS Interswitch EVCs. The ETS customer orders the applicable ETS elements from the Telephone Company pursuant to the provisions specified in this section.

Figure 2



In the third figure, one of the ETS customer's CDPs is served by a non-ETS SWC. The ETS customer orders the applicable ETS elements from the Telephone Company pursuant to the provisions specified in this section and the applicable Special Access facilities pursuant to the provisions specified in Section 7, preceding.

Figure 3

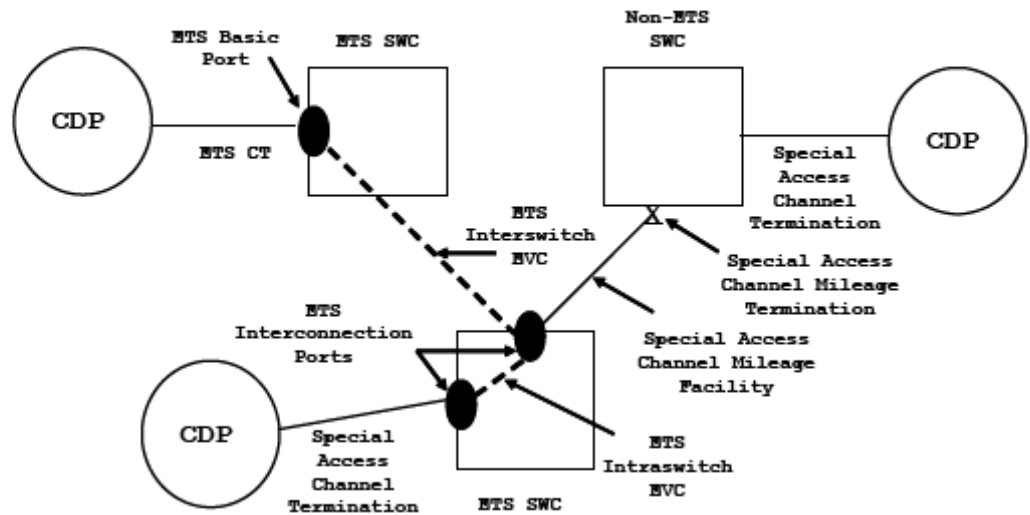


ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)

In the fourth figure, a multipoint configuration is depicted where the customer chose to order Special Access Service to an ETS SWC. The ETS customer orders the applicable ETS elements from the Telephone Company pursuant to the provisions specified in this section and the applicable Special Access facilities pursuant to the provisions specified in Section 7, preceding.

Figure 4



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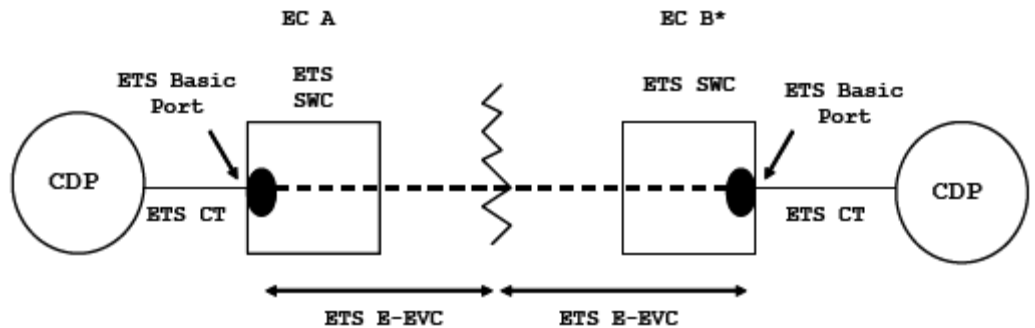
16. Public Packet Data Network (Cont'd)

16.3 Ethernet Transport Service (Cont'd)

16.3.4 Rate Regulations (Cont'd)

In the fifth figure, one of the ETS customer's CDPs is served by an adjacent telephone company's Ethernet network. The ETS customer orders the applicable ETS elements from the Telephone Company pursuant to the provisions specified in this section. In addition, the ETS customer will order the applicable Ethernet service elements from the adjacent telephone company.

Figure 5



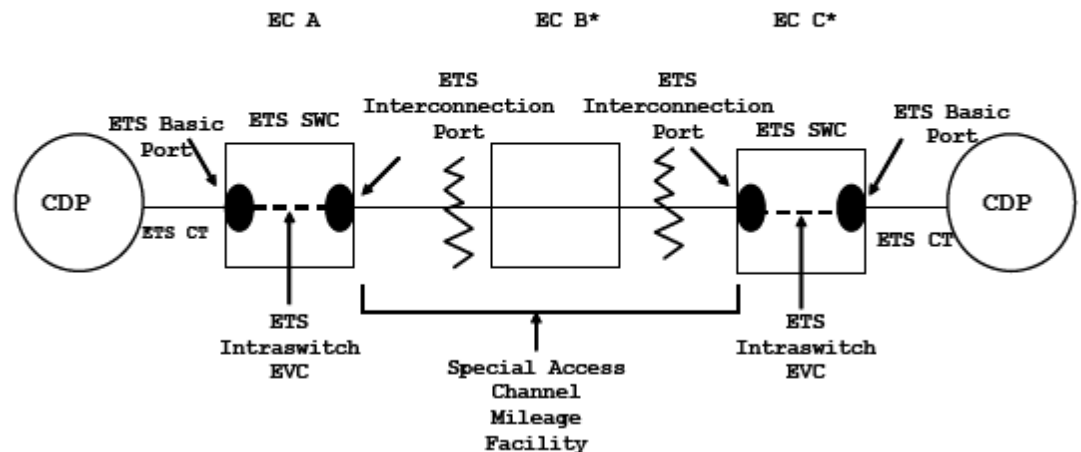
* If EC B is a non-NECA company, the application of charges will depend on its access tariff

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)

In the sixth figure, one of the ETS customer's CDPs is served by a non-adjacent telephone company's Ethernet network. When the number of airline miles between the ETS SWCs serving the ETS customer's CDPs is greater than fifty, the ETS customer orders the applicable ETS elements from the Telephone Company pursuant to the provisions specified in this section and applicable Special Access facilities pursuant to the provisions specified in Section 7, preceding. In addition, the ETS customer will order the applicable special access service and Ethernet service elements from the interconnecting telephone companies.

Figure 6



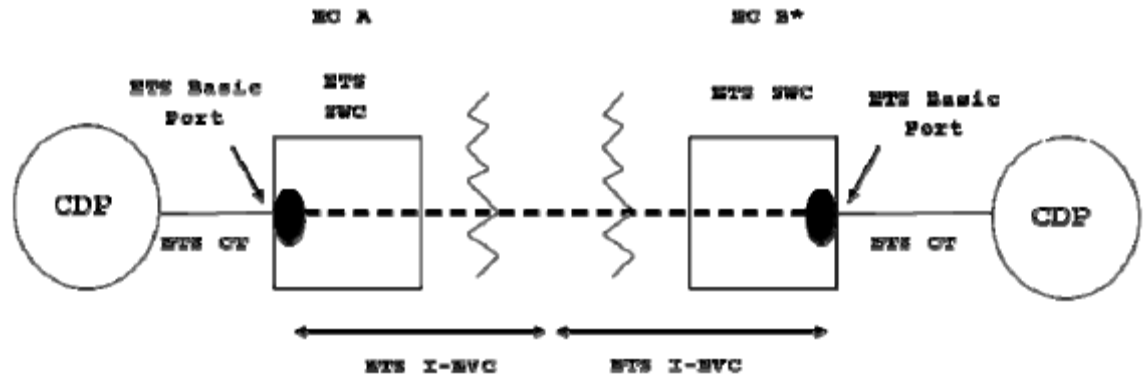
* If EC B and C are non-NECA companies, the application of charges will depend on their access tariffs

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)

In the seventh figure, one of the ETS customer's CDPs is served by a non-adjacent telephone company's Ethernet network. When the number of airline miles between the ETS SWCs serving the ETS customer's CDPs is equal to or less than fifty, the ETS customer orders the applicable ETS elements from the Telephone Company pursuant to the provisions specified in this section. In addition, the ETS customer will order the applicable Ethernet service elements from the non-adjacent telephone company.

Figure 7



* If EC B is a non-NECA company, the application of charges will depend on its access tariff.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(A) Rate Categories

The various ETS Service elements are described below.

(1) ETS Channel Terminations (CTs)

An ETS CT provides the transport facility between the customer's designated premises and an ETS Basic Port at the Telephone Company's ETS SWC.

ETS CTs are available at bandwidth speeds of 10 Mbps, 20 Mbps, 50 Mbps, 100Mbps, 500 Mbps, and 1 Gbps. The ETS customer orders the type of ETS CT it needs based on its bandwidth requirements. Bandwidth speeds of 50 Mbps and above require use of a fiber loop facility, where such fiber facilities exist. ETS CTs are available only from suitable equipped ETS SWCs for connection to ETS Basic Ports.

A Special Access High Capacity DS3 or Synchronous Optical Channel Service OC3 or OC12 Channel Termination may also be used to connect a CDP to the Telephone Company's ETS SWC for connection to an ETS Interconnection Port. The provisions for Special Access Channel Terminations are specified in Section 7, preceding.

Monthly and nonrecurring charges apply for each ETS CT ordered. The monthly rate is based upon the bandwidth capacity ordered and whether the CDP is located within 300 feet of the ETS SWC or more than 300 feet from the ETS SWC. Rates and charges are specified in Section 17.4.7(C)(1), following.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(2) ETS Ports

ETS Ports provide the interface at the Telephone Company's ETS SWC for data traffic to and from the customer premises equipment as well as for connecting the Telephone Company's ETS network with the Ethernet network of another telephone company. An ETS Port receives Ethernet packets from the ETS customer's Ethernet-compatible CPE, validates the addressing parameters contained in the packet headers, and transmits the packets into the ETS network. The ETS Port also receives Ethernet packets from the Telephone Company's ETS network or from an Ethernet network located outside of the Telephone Company's serving territory, validates the addressing parameters contained in the packet headers, and transmits the packets to the pre-designated CDP.

There are two types of ETS Ports available, i.e., ETS Basic Ports and ETS Interconnection Ports.

- (a) ETS Basic Ports provide the interface to the Telephone Company's ETS network and do not include the required transport facility between the CDP and the Telephone Company's ETS SWC.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(2) ETS Ports

(a) (Cont'd)

ETS Basic Ports are available with bandwidth speeds of 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps, 500 Mbps, and 1 Gbps. Required transport to the ETS Basic Port is provided using an ETS CT as described above. Each ETS Basic Port must be associated with a minimum of one ETS EVC, one ETS E-EVC, one ETS I-EVC or one optional DSL Access Service Connection function. An ETS Basic Port may be associated with more than one ETS EVC, ETS E-EVC or ETS I-EVC. The bandwidth speed of an ETS Basic Port must be equal to or greater than the bandwidth speed of the associated ETS CT. The bandwidth speed of an optional DSL Access Service Connection function must be equal to the bandwidth speed of the associated ETS Basic Port.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(2) ETS Ports (Cont'd)

- (b) ETS Interconnection Ports also provide the interface to the Telephone Company's ETS network and do not include the required transport facility between the CDP and the Telephone Company's ETS SWC. Used in conjunction with Special Access DS3, OC3 and/or OC12 Services, ETS Interconnection Ports permit the ETS customer to: 1) connect a CDP served by an ETS or non-ETS SWC to the Telephone Company's ETS network or 2) interconnect the Telephone Company's ETS network to an Ethernet network located in the serving territory of a non-adjacent telephone company.

ETS Interconnection Ports are available at bandwidth speeds of 44.736 Mbps (DS3), 155.52 Mbps (OC3) and 622.08 Mbps (OC12).

Required transport to the ETS Interconnection Port is provided using Special Access DS3, OC3 and/or OC12 Service facilities as described in Section 7, preceding. Each ETS Interconnection Port must be associated with a minimum of one ETS EVC, one ETS E-EVC, one ETS I-EVC or one optional DSL Access Service Connection function. An ETS Interconnection Port may be associated with more than one ETS EVC or ETS E-EVC or ETS I-EVC. The bandwidth speed of an ETS Interconnection Port must be equal to the bandwidth speed of the associated Special Access Service Channel Termination. The bandwidth speed of an optional DSL Access Service Connection function must be equal to the bandwidth speed of the associated ETS Interconnection Port.

Monthly and nonrecurring charges apply for each ETS Port ordered. The monthly recurring charge is determined by the capacity and type of ETS Port ordered. Rates and charges are specified in Section 17.4.7(C)(2), following.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(3) ETS Ethernet Virtual Connections (ETS EVCs)

ETS EVCs are logical associations established by the Telephone Company across a shared transmission path that allow the ETS customer to transmit packets between any two ETS Ports located on the Telephone Company's ETS network. ETS EVCs are available in fixed bandwidth amounts of 5 Mbps, 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps, 500 Mbps, and 1 Gbps. The Telephone Company will establish ETS EVCs based upon the bandwidth capacity specified by the ETS customer on its Access Order. When ETS EVCs are ordered between two ETS Ports in the same SWC, the ETS customer will be charged the ETS Intraswitch EVC rate. When ETS EVCs are ordered between ETS Ports that are in different SWCs within the Telephone Company's serving territory, the ETS customer will be billed the ETS Interswitch EVC rate.

Monthly and nonrecurring charges apply for each ETS EVC ordered. The monthly recurring charge is based upon the bandwidth capacity ordered and whether the associated ETS Ports are located within one SWC (Intraswitch) or between different SWCs (Interswitch). Rates and charges are specified in Section 17.4.7(C)(3), following.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(4) ETS Extended Ethernet Virtual Connections (ETS E-EVCS)

ETS E-EVCs are logical associations established by the Telephone Company across a shared transmission path that allow the ETS customer to transmit packets to and receive packets from an ETS Port located in the Telephone Company's ETS network to another telephone company's Ethernet network located in an adjacent serving territory. ETS E-EVCs can be established between two ETS Basic Ports, between two ETS Interconnection Ports or between an ETS Basic Port and an ETS Interconnection Port. ETS E-EVCs are available in fixed bandwidth amounts of 5 Mbps, 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps, 500 Mbps, and 1 Gbps. The Telephone Company will establish ETS E-EVCs based upon the bandwidth capacity specified by the ETS customer on its Access Order.

Monthly and nonrecurring charges apply for each ETS E-EVC ordered. The ETS E-EVC monthly recurring charge is based upon the bandwidth capacity of the ETS E-EVC ordered. Rates and charges are specified in Section 17.4.7(C)(4), following.

(5) ETS Interconnected Ethernet Virtual Connections (ETS I-EVCS)

ETS I-EVCs are logical associations established by the Telephone Company across a shared transmission path that allow the ETS customer to transmit packets to and receive packets from an ETS Port located in the Telephone Company's ETS network to another telephone company's Ethernet network located in a non-adjacent serving territory. ETS I-EVCs can only be used when the airline distance between the ETS SWCs serving the ETS customer's CDPs is fifty miles or less. When the airline distance is greater than fifty miles, the ETS customer will use a combination of ETS elements and Special Access Service elements as depicted in Figure 6, above, to connect to its CDP in the non-adjacent serving territory.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)(5) ETS Interconnected Ethernet Virtual Connections (ETS I-EVCS) (Cont'd)

The Telephone Company will determine the airline distance between the ETS SWCs using the V&H Coordinates method, as described in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

ETS I-EVCs can be established between two ETS Basic Ports, between two ETS Interconnection Ports or between an ETS Basic Port and an ETS Interconnection Port. ETS I-EVCs are available in fixed bandwidth amounts of 5 Mbps, 10 Mbps, 20 Mbps, 50 Mbps, 100 Mbps, 500 Mbps, and 1 Gbps. The Telephone Company will establish ETS I-EVCs based upon the bandwidth capacity specified by the ETS customer on its Access Order.

Monthly and nonrecurring charges apply for each ETS I-EVC based upon the bandwidth capacity of the ETS I-EVC ordered by the ETS customer. Rates and charges are specified in Section 17.4.7(C)(5), following.

(6) Optional Features and Functions

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges

There are two types of rates and charges. They are monthly rates and nonrecurring charges. The rates and charges are described below:

(1) Monthly Rates

Monthly rates are recurring rates that apply each month or fraction thereof when an ETS service element is provided. For billing purposes, each month is considered to have 30 days.

(2) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for ETS are installation of service, service rearrangements, moves and design changes.

Except as specified below, these charges are in addition to the Access Order Charge as specified in Section 17.4.1, following.

(a) Installation of Service

Nonrecurring charges apply for installation of ETS CTs, ETS Ports, ETS EVCs, ETS E-EVCs, ETS I-EVCs and ETS Optional Features and Functions ordered by the ETS customer.

(b) Service Rearrangements

Service rearrangements are changes to existing (i.e., installed) services, which may be administrative only in nature as set forth below or, that involve an actual physical change to the service.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(b) Service Rearrangements (Cont'd)

When the ETS customer elects to decrease the bandwidth capacity on existing ETS Ports, associated DSL Access Service Connection functions (where applicable), and associated ETS CTs, the request will be considered a discontinuance of service for the former capacity and start of service for the new capacity. Associated nonrecurring (i.e., installation) charges will apply. New minimum period requirements will be established for the new ETS elements. The ETS customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued ETS elements.

When the ETS customer elects to increase the bandwidth capacity on existing ETS Ports, associated DSL Access Service Connection functions (where applicable), and associated ETS CTs, the request will be considered a discontinuance of service for the former capacity and start of service for the new capacity. Associated nonrecurring (i.e., installation) charges will apply. New minimum period requirements will be established for the new ETS elements. Any outstanding minimum period charges associated with the discontinued ETS elements that would otherwise be applicable for the bandwidth capacity upgrades described in this paragraph will be waived.

When the ETS customer elects to change the bandwidth capacity on existing ETS EVCs, ETS E-EVCs, ETS I-EVCs and/or ETS MM-VCCs (i.e., the customer requests an increase or decrease in capacity), the ETS Design Change Charge described in (d), below, will apply per ETS element changed.

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ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(b) Service Rearrangements (Cont'd)

When the ETS customer elects to remove existing ETS EVCs, ETS E-EVCs, or ETS I-EVCs, the ETS Design Change Charge described in (d), below, will apply per ETS EVC, ETS E-EVC or ETS I-EVC removed.

When the ETS customer elects to remove an existing ETS MM-VCC from its associated ADSL Access Service line, the ETS Design Change Charge described in (d), below, will apply per ETS MM-VCC removed.

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

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(c) Moves

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

- The Point of Termination at the customer's premises
- The customer's premises

The charges for moving ETS elements are dependent on whether the move is to a different location within the same building, to a different building within the same SWC, or to a different building in a different SWC. The charges specified below apply in addition to any applicable charges for moving any applicable Special Access Services as specified in Section 7.2.3, preceding.

(i) Moves Within the Same Building

ETS Basic and Interconnection Ports, ETS EVCs and ETS E-EVCs, and ETS I-EVCs are not impacted when an ETS customer moves its Point of Termination to a different location within the same building. The charge for moving an ETS CT within the same building will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the ETS CT. There will be no change in the minimum period requirements.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(c) Moves (Cont'd)(ii) Moves To a Different Building Within the Same SWC

ETS Basic and Interconnection Ports, ETS EVCs, ETS E-EVCs and ETS I-EVCs are not impacted when an ETS customer moves its Point of Termination to a different building within the same SWC. The move of an ETS CT will be treated as a discontinuance and start of service. Associated nonrecurring (i.e., installation charges will apply). New minimum period requirements will be established for the new services. The ETS customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service

(iii) Moves to a Different Building in a Different SWC

A move to a different building in a different SWC will be treated as a discontinuance and start of service of all associated ETS elements. Associated nonrecurring (i.e., installation charges will apply). New minimum period requirements will be established for the new services. The ETS customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(d) ETS Design Changes

As described in (b), above, the ETS Design Change Charge specified in Section 17.4.7(C)(6)(a)(iv), following, will apply when the ETS customer elects to: (1) change the bandwidth capacity of existing ETS EVCs, ETS E-EVCs, ETS I-EVCs and/or ETS MM-VCCs; (2) remove existing ETS EVCs or ETS E-EVCs or ETS I-EVCs or (3) remove an existing ETS MM-VCC from its associated ADSL Access Service line.

When applicable, the ETS Design Change Charge applies in lieu of the ETS EVC, ETS E-EVC, ETS I-EVC and/or ETS MM-VCC nonrecurring charge. The Access Order Charge will not apply when the ETS Design Change Charge is applicable.

(C) Minimum Periods

The minimum period for ETS service elements provided to an ETS customer and for which charges are applicable is:

- Twelve months for ETS Basic Ports and ETS Interconnection Ports, ETS Channel Terminations and
- One month for all other ETS elements.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.5 ETS Term Discount Plan

An optional term discount plan is available for Ethernet Transport Service (ETS). Under the ETS Term Discount Plan, the monthly rates for eligible ETS service elements are reduced by a fixed percentage. The amount of the discount percentage differs based on the length of the term commitment period selected by the ETS customer.

ETS may be ordered at the customer's option on a month-to-month basis or, under a single term commitment period of either 36 months or 60 months. The customer must notify the Telephone Company in writing of the length of its selected term commitment period. For purposes of this plan, all ETS Basic and ETS Interconnection Ports included in a customer's ETS Term Discount Plan are referred to as committed ETS Ports. To be included in an ETS Term Discount Plan, all committed ETS Ports must be ordered for the same term commitment period (i.e., all 36 months or all 60 months) and remain in-service at the same bandwidth capacity throughout the entire term commitment period. ETS Ports installed after the establishment of the customer's ETS Term Discount Plan may be ordered on a month-to-month basis or added as additional committed ETS Ports to a customer's existing term commitment period as described in (A), below.

Access Order Charges as described in Section 5.4.1, proceeding, do not apply to establish a new or make any changes to an existing ETS Term Discount Plan.

The monthly rates for ETS service elements are set forth in Section 17.4.7(C), following. The term discount percentages for the ETS Term Discount Plan are set forth in Section 17.4.7(C)(7), following.

The term discount percentage for the customer's selected term commitment period applies to all committed ETS Ports provided within the Telephone Company's operating territory. The term discount percentage also applies to the following eligible ETS elements when these elements are provided within the Telephone Company's operating territory and associated with a committed ETS Port: 1) ETS Channel Terminations (ETS CTs); 2) ETS Ethernet Virtual Connections (ETS EVCs); 3) ETS Extended Ethernet Virtual Connections (ETS E-EVCs); 4) ETS Interconnected Ethernet Virtual Connections (ETS I-EVCs) and 5) ETS MultiMedia Virtual Circuit Channels (ETS MM-VCCs). Since there are no bandwidth or in-service requirements for ETS CTs, ETS EVCs, ETS E-EVCs, ETS I-EVCs and ETS MM-VCCs associated with committed ETS Ports under the ETS Term Discount Plan, customer ordered disconnects of or changes to the number or bandwidth capacities for these elements do not affect the customer's ETS Term Discount Plan.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.5 ETS Term Discount Plan (Cont'd)

The term discount percentage does not apply to: 1) ETS Ports ordered on a month-to-month basis; 2) ETS CTs, ETS EVCs, ETS E-EVCs, ETS I-EVCs and ETS MM-VCCs that are not associated with a committed ETS Port; 3) ETS nonrecurring charges; and 4) special access services connected to an ETS Interconnection Port.

Except as specified in (A)-(C), below, discontinuance charges will apply when the customer fails to satisfy the term commitment period or the in-service requirements for its committed ETS Ports.

The term discount percentage set forth in Section 17.4.7(C)(7), following, will not be subject to Telephone Company initiated decreases during the customer's selected term commitment period.

If a term discount percentage increase occurs during the term of an existing ETS Term Discount Plan, the increased percentage will be applied automatically for the remainder of the customer's existing term commitment period.

At the end of the term commitment period, the customer may subscribe to a new ETS Term Discount Plan commitment period or revert to month-to-month rates. If the customer does not notify the Telephone Company in writing of its choice by the end of its existing term commitment period, the Telephone Company will automatically convert the customer's ETS billing to month-to-month rates. An Access Order Charge will not apply when a customer at the end of its existing term commitment period subscribed to a replacement ETS Term Discount Plan or reverts to month-to-month rates.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.5 ETS Term Discount Plan (Cont'd)(A) ETS Port Additions

An ETS Term Discount Plan customer will choose one of the following options when ordering a new ETS Port during its existing term commitment period:

- (1) Add the new ETS Port to its existing ETS Term Discount Plan provided: 1) the customer commits to retain the newly installed ETS Port in-service at the same bandwidth capacity for the remainder of the existing term commitment period and 2) the ETS Port is being added before the last year of an existing term commitment period. The term commitment period of the customer's existing ETS Term Discount Plan will continue uninterrupted. During the last year of the commitment period, ETS Ports may not be added to an existing term commitment period.
- (2) Order the new ETS Port on a month-to-month basis. No term discount percentage would apply to the newly installed ETS Port. The term commitment period of the customer's existing ETS Term Discount Plan will continue uninterrupted.
- (3) Replace the existing ETS term Discount Plan in its entirety with a new ETS Term Discount Plan as described in (C), below.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.5 ETS Term Discount Plan (Cont'd)(B) Committed ETs Port Replacements

- (1) An ETS Term Discount Plan customer may disconnect a committed ETS Port before the end of its existing term commitment period and replace it with one or more newly installed committed ETS Port(s) without the application of a discontinuance charge as described in (D), below, provided: 1) the bandwidth capacity of the replacement committed ETS Port(s) is equal to or greater than the bandwidth capacity of the disconnected committed ETS Port; 2) the customer commits to retain the replacement committed ETS Port(s) in-service at the same bandwidth capacity for the remainder of the existing term commitment period; 3) the replacement committed ETS Port(s) is added to the existing term commitment before the last year of an existing term commitment period; and 4) the customer's orders for the disconnect of the originally committed ETS Port and installation of the replacement committed ETS Port(s) are submitted to the Telephone Company at the same time and include cross references as described in Section 5.2.8, preceding.
- (2) If the bandwidth capacity of the newly installed committed ETS Port(s) is less than the bandwidth capacity of the disconnected committed ETS Port, the disconnected committed ETS Port will be subject to a discontinuance charge as described in (D), below. The newly installed port(s) can be added as a committed ETS Port to the existing term commitment period or ordered on a month-to-month basis as described in (A), above.
- (3) Since newly installed ETS Ports cannot be added to an existing term commitment period during the last year of the commitment period, an existing committed ETS Port disconnected during the last year of the commitment period cannot be replaced as described in (B)(1), above. The disconnected committed ETS Port will be subject to a discontinuance charge as described in (D), below. During the last year of the term commitment period, newly installed ETS Ports can be ordered as described in (A), above.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.5 ETS Term Discount Plan (Cont'd)(C) ETS Term Discount Plan Replacements

- (1) The customer may replace an existing ETS Term Discount Plan in its entirety with a new ETS Term Discount Plan without the application of a discontinuance charge as described in (D), below, provided: 1) the term commitment period of the new ETS Term Discount Plan meets or exceeds the number of months remaining in the customer's existing ETS term commitment period and 2) the bandwidth capacity of the committed ETS Ports under the new ETS Term Discount Plan meets or exceeds the bandwidth capacity of the committed ETS Ports in the customer's existing ETS term commitment period. The term discount percentage applicable for the replacement ETS Term Discount Plan will apply on a going forward basis based on the customer's written request to establish a new ETS Term Discount Plan commitment period under this provision.

For example, a customer with an existing 36 month term commitment period and 50 Mbps of bandwidth capacity for its committed ETS Ports can replace that term commitment in its entirety with a new 36 month or 60 month term commitment period at any time during the existing term commitment period without the application of a discontinuance charge provided the bandwidth capacity of the customer's committed ETS Ports under the new term commitment period is at least 50 Mbps.

- (2) When the term commitment period of a replacement ETS Term Discount Plan does not meet or exceed the number of months remaining in the customer's existing ETS Term Discount Plan commitment period, a discontinuance charge as described in (D), below, will apply.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

16.3 Ethernet Transport Service (Cont'd)

16.3.5 ETS Term Discount Plan (Cont'd)

(C) ETS Term Discount Plan Replacements (Cont'd)

(3) When the term commitment period of the new ETS Term Discount Plan meets or exceeds the number of months remaining in the customer's existing ETS term commitment period, but the bandwidth capacity of the customer's committed ETS Ports under the new term commitment period is less than the bandwidth capacity of the committed ETS Ports under the customer's existing term commitment period, the following provisions will apply.

(a) When the total monthly undiscounted charges for the number and type of committed ETS Ports to be included in the customer's replacement ETS Term Discount Plan is equal to or greater than the total monthly undiscounted charges for the number and type of committed ETS Ports included in the customer's existing ETS Term Discount Plan, the customer will be permitted to replace its existing ETS Term Discount Plan without the application of either a discontinuance charge as described in (D), below, or a commitment shortfall charge as described in (b), below.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

16.3 Ethernet Transport Service (Cont'd)

16.3.5 ETS Term Discount Plan (Cont'd)

(C) ETS Term Discount Plan Replacements (Cont'd)

(3) (Cont'd)

(b) (Cont'd)

When the total monthly undiscounted charges for the number and type of committed ETS Ports to be included in the customer's replacement ETS Term Discount Plan is less than the total monthly undiscounted charges for the number and type of committed ETS Ports included in the customer's existing ETS Term Discount Plan, the customer will be permitted to replace its existing ETS Term Discount Plan under this provision, however, a commitment shortfall charge will apply. The commitment shortfall charge will apply in lieu of a discontinuance charge as described in (D), below, and will be calculated as follows:

Step 1: Determine the difference between the total monthly undiscounted charges for the number and type of committed ETS Ports included in the customer's existing ETS Term Discount Plan and the total monthly undiscounted charges for the number and type of committed ETS Ports to be included in the customer's replacement ETS Term Discount Plan.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.5 ETS Term Discount Plan (Cont'd)(C) ETS Term Discount Plan Replacements (Cont'd)

(3)(b) (Cont'd)

Step 2: Multiply the result from Step 1 by 35%.

Step 3: Multiply the result from Step 2 times the number of months remaining in the existing term commitment period.

For example, a customer elects to replace its existing 36 month ETS Term Discount Plan in its entirety in the 22nd month of the existing term commitment period with a new 36 month ETS Term Discount Plan. The existing term plan commitment includes a total bandwidth capacity requirement of 300 Mbps for the customer's six 50 Mbps committed ETS Basic Ports. In the replacement ETS Term Discount Plan, the customer will only be including two 100 Mbps committed ETS Basic Ports for a total bandwidth capacity of 200 Mbps. Although the customer satisfies the term commitment length replacement requirement with the new ETS Term Discount Plan, it does not satisfy the bandwidth capacity replacement requirement and the total monthly undiscounted charges under the new term commitment period are less than the total monthly undiscounted charges under the existing term commitment period.

Using illustrative undiscounted monthly rates of \$275.00 for a 50 Mbps ETS Basic Port and \$330.00 for a 100 Mbps ETS Basic Port, the Telephone Company would bill the customer a commitment shortfall charge totaling \$4,851.00 based on:

Step 1: \$1,650.00 (i.e., \$275.00 x 6 ports) - \$660.00 (i.e., \$330.00 x 2 ports) = \$990.00

Step 2: \$990.00 x 35% = \$346.50

Step 3: \$346.50 x 14 months = \$4,851.00

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.5 ETS Term Discount Plan (Cont'd)(D) Discontinuance Charges

Except as provided for in (B) and (C), above, discontinuance charges will apply when: 1) the customer disconnects a committed ETS Port prior to the end of the term commitment period; 2) the customer disconnects a committed ETS Port prior to the end of the term commitment period and the replacement committed ETS Port(s) does not satisfy the requirements specified in (B), above; 3) the customer discontinues an existing ETS Term Discount Plan in its entirety prior to the end of the term commitment period; or 4) the customer replaces an existing ETS Term Discount Plan with a new ETS Term Discount Plan that does not satisfy the requirements specified in (C), above.

The discontinuance charge will be equal to 35% of the total undiscounted monthly rate for each committed ETS Port included in the customer's ETS Term Discount Plan for each month remaining in the unsatisfied term commitment period. Minimum service period charges as specified in Section 16.3.4(C), preceding, would also apply, if applicable.

The following examples illustrate how the Telephone Company will calculate the applicable discontinuance charge.

Example 1

A customer discontinues its existing ETS Term Discount Plan in its entirety in the 20th month of a 36 month term commitment period. The customer included three 100 Mbps committed ETS Basic Ports when it established its initial term plan commitment.

Using an illustrative undiscounted monthly rate of \$330.00 for a 100 Mbps ETS Basic Port, the Telephone Company would bill the customer a term plan discontinuance charge totaling \$5,544.00 (i.e., \$330.00 x 35% x 3 ports x 16 months).

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.3 Ethernet Transport Service (Cont'd)16.3.5 ETS Term Discount Plan (Cont'd)(D) Discontinuance Charges (Cont'd)Example 2

A customer disconnects one of the four 50 Mbps committed ETS Basic Ports included in its ETS Term Discount Plan in the 39th month of a 60 month term commitment period. The customer included all four of these ports when it established its initial term plan commitment.

Using an illustrative undiscounted monthly rate of \$275.00 for a 50 Mbps ETS Basic Port, the Telephone Company would bill the customer a port discontinuance charge totaling \$2,021.25 (i.e., \$275.00 x 35% x 21 months).

(E) ETS Volume Discount Plan

The ETS Volume Discount Plan (ETS VDP) is an optional pricing plan that provides the ETS Term Discount Plan customer with an additional discount applied against the monthly charges for its in-service committed ETS Basic and Interconnection Ports when the customer has at least five committed ETS Ports in-service within the Telephone Company's operating territory.

In order to subscribe to and retain the ETS VDP, the customer must have an ETS Term Discount Plan commitment with the Telephone Company. The ETS Term Discount Plan customer must notify the Telephone Company in writing it wants to establish an ETS VDP. The customer may request an ETS VDP at the same time as it establishes its ETS Term Discount Plan commitment or at any time prior to the expiration of an existing ETS Term Discount Plan. The ETS VDP will continue for the balance of the customer's ETS Term Discount Plan commitment.

Each month on the bill date, the Telephone Company will determine the number of the customer's committed ETS Basic and Interconnection Ports in-service. If that number falls below five, the customer will not be eligible for the ETS VDP discount that month. When the number of committed ETS Basic and Interconnection Ports in-service is at least five, the ETS VDP discount will be applied for that month after the ETS Term Discount Plan discount for the customer's selected term length is applied.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

16.3 Ethernet Transport Service (Cont'd)

16.3.5 ETS Term Discount Plan (Cont'd)

(E) ETS Volume Discount Plan (Cont'd)

The ETS VDP discount does not apply to: (1) ETS Ports ordered on a month-to-month basis (i.e., non-committed ETS Ports), (2) any other ETS monthly charges, (3) any ETS nonrecurring charges, or (4) any monthly or nonrecurring charges for special access services connected to a committed ETS Interconnection Port.

Access Order Charges as described in Section 5.4.1, preceding, do not apply to establish a new ETS VDP or to terminate an existing ETS VDP.

The ETS VDP discount is specified in Section 17.4.7(C)(8), following.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.4 Internet Protocol Gateway Access Service16.4.1 General

Internet Protocol Gateway Access Service (IPG) is an optional packet transport service that provides an end-to-end transmission path using packet technology at transport speeds of either 1.544 Mbps or 44.736 Mbps, where available. IPG enables the customer to interconnect its Internet Protocol (IP) based network with the Telephone Company's switched network at a Telephone Company provided IP gateway. IPG is only available to connect the customer's designated premises (CDP) to a Telephone Company provided IP gateway serving wire center (IPG SWC) when both the CDP and IPG SWC are located within the Telephone Company's serving territory. IPG provides the customer with voice transmission and call set up signaling paths between its CDP and the IPG SWC. Available for use in conjunction with terminating Feature Group D (FGD) Switched Access Service as described in Section 6.8.1, preceding, IPG provides the customer with the ability to terminate interexchange voice traffic originated on or transported across its IP based network to Telephone Company local exchange service subscribers.

16.4.2 Service Description

As described below, IPG is provided using a combination of IPG Transport and IPG Ports. IPG can only be used in conjunction with terminating FGD Switched Access Service, which is ordered separately by the IPG customer.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.4 Internet Protocol Gateway Access Service (Cont'd)16.4.2 Service Description (Cont'd)

IPG Transport is required to provide the connection between the CDP and Telephone Company IPG SWC. IPG Transport consists of an IPG Transport Termination and, where required, an IPG Transport Mileage Facility and IPG Transport Mileage Termination. Which IPG Transport rate elements apply will depend on where in its network the Telephone Company deploys its IP gateway. An IPG Port is required to provide the interface at the IPG SWC to the Telephone Company's switched network.

The transmission quality of IPG is not guaranteed and is offered to the IPG customer at a best effort level. The Telephone Company will attempt to deliver all interexchange voice traffic received that was originated on or transported across the IPG customer's IP based network.

Service is provided, where available, between CDPs and designated Telephone Company IPG SWCs located within the Telephone Company's serving territory. IPG will be furnished where suitable facilities exist as determined by the Telephone Company. The Telephone Company will identify its IPG SWCs in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.4 Internet Protocol Gateway Access Service (Cont'd)16.4.2 Service Description (Cont'd)

Rates and charges for IPG are specified in Section 17.4.7(D), following. The application of rates and charges for IPG is described later in this section.

16.4.3 Obligations of the Customer

In addition to the regulations described in other sections of this tariff, the following provisions apply to IPG.

- (A) The IPG customer is responsible for providing the Telephone Company with the necessary information to provision IPG as specified in Section 5.2 Ordering Requirements, preceding.
- (B) The IPG customer is responsible for providing and maintaining all required CPE, which is compatible with IPG and the customer selected signaling interface and bearer channel format that comply with the requirements specified in the following Technical References:

- IETF RFC 3261 – June 2002;
- IETF RFC 3262 - June 2002;
- IETF RFC 3263 – June 2002;
- IETF RFC 3264 – June 2002;
- IETF RFC 3265 – June 2002;
- IETF RFC 3550 – July 2003;
- ITU-T G.711 – November 1988;
- ITU-T G.723.1 – May 2006;
- ITU-T G.729 – January 2007;
- ITU-T G.7041/Y.1303 – August 2005;
- ITU-T G.8040/Y.1340 – September 2005;
- ITU-T H.225.0 – May 2006;
- ITU-T H.245 – June 2008; and/or
- ITU-T H.323 – June 2006.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

16.4 Internet Protocol Gateway Access Service (Cont'd)

16.4.3 Obligations of the Customer (Cont'd)

- (C) The IPG customer is responsible for passing to the Telephone Company accurate call signaling data that will enable the Telephone Company to accurately bill for the associated FGD Switched Access Service network usage. Such call signaling data must either: 1) conform to an active 10-digit North American Numbering Plan or directory number, which is associated with the geographic location of the originating calling party (i.e., Calling Party Number and/or Automatic Number Identification) or 2) represent IP equivalent call signaling that is mutually agreed upon by the IPG customer and Telephone Company at the time the customer places its order for IPG.

16.4.4 Rate Regulations

This section contains the regulations governing the rates and charges that apply for IPG. Regulations governing the rates and charges for FGD Switched Access Service provided under this tariff used in conjunction with IPG are as specified in Section 6.8.1, preceding. The following diagrams depict generic views of the elements of IPG.

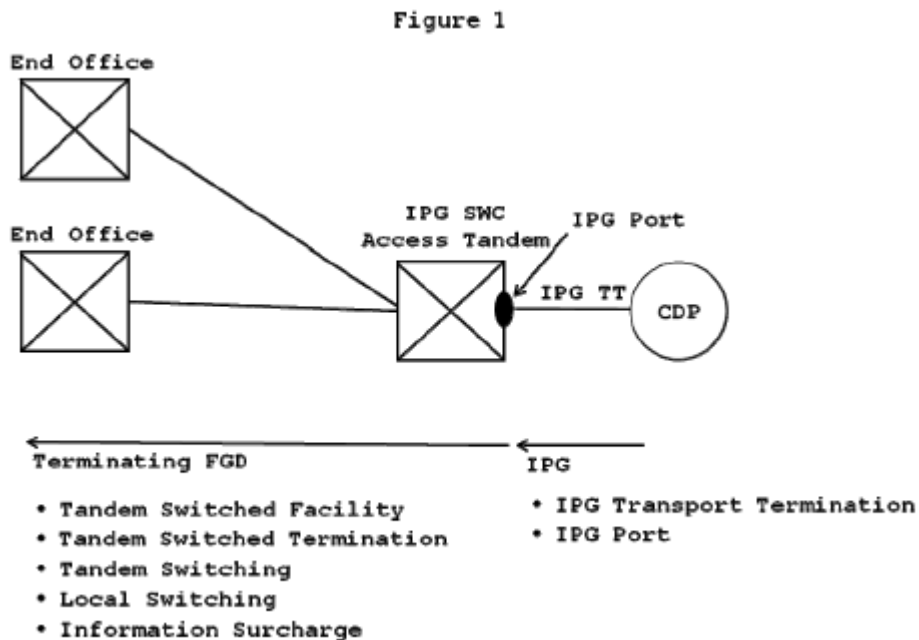
ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

16.4 Internet Protocol Gateway Access Service (Cont'd)

16.4.4 Rate Regulations (Cont'd)

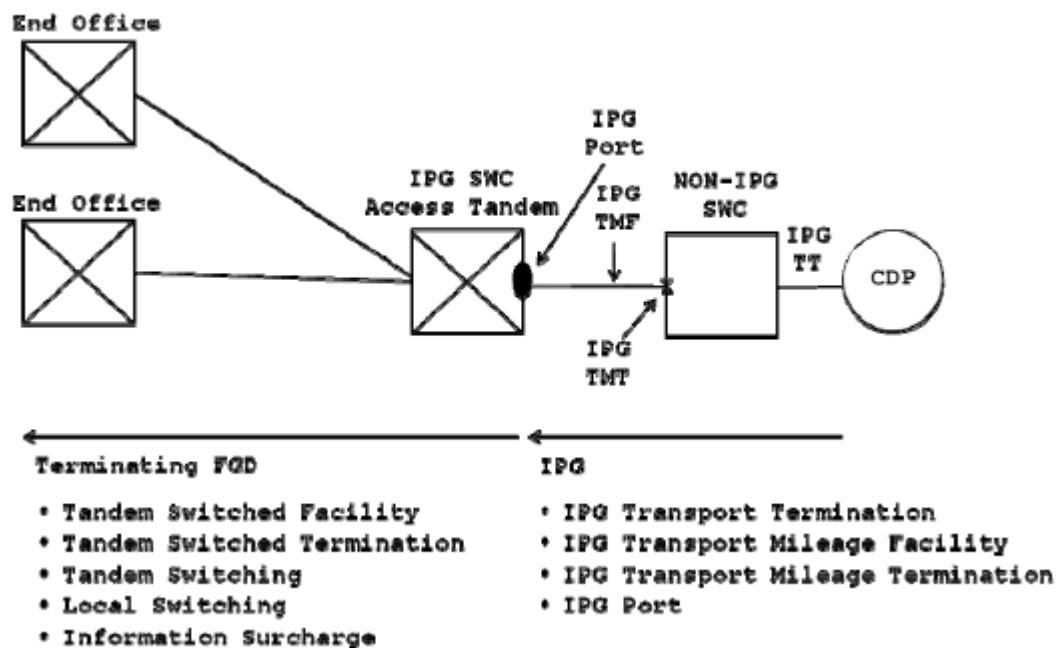
In the first figure, the IPG customer's CDP is served by the Telephone Company's IPG SWC. The Telephone Company deployed its IP gateway at its access tandem office. The IPG customer obtains the ability to terminate traffic originated on or transported across its IP based network to local exchange service subscribers served by end offices subtending this access tandem office. The IPG customer orders the applicable IPG service elements from the Telephone Company pursuant to the provisions specified in this section and the applicable terminating FGD Switched Access Service elements pursuant to the provisions specified in Section 6.8.1, preceding.



ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.4 Internet Protocol Gateway Access Service (Cont'd)16.4.4 Rate Regulations (Cont'd)

In the second figure, the IPG customer's CDP is served by a SWC that is not the IPG SWC. The Telephone Company deployed its IP gateway at its access tandem office. The IPG customer obtains the ability to terminate traffic originated on or transported across its IP based network to local exchange service subscribers served by end offices subtending this access tandem office. The IPG customer orders the applicable IPG service elements from the Telephone Company pursuant to the provisions specified in this section and the applicable terminating FGD Switched Access Service elements pursuant to the provisions specified in Section 6.8.1, preceding.

Figure 2

ACCESS SERVICE

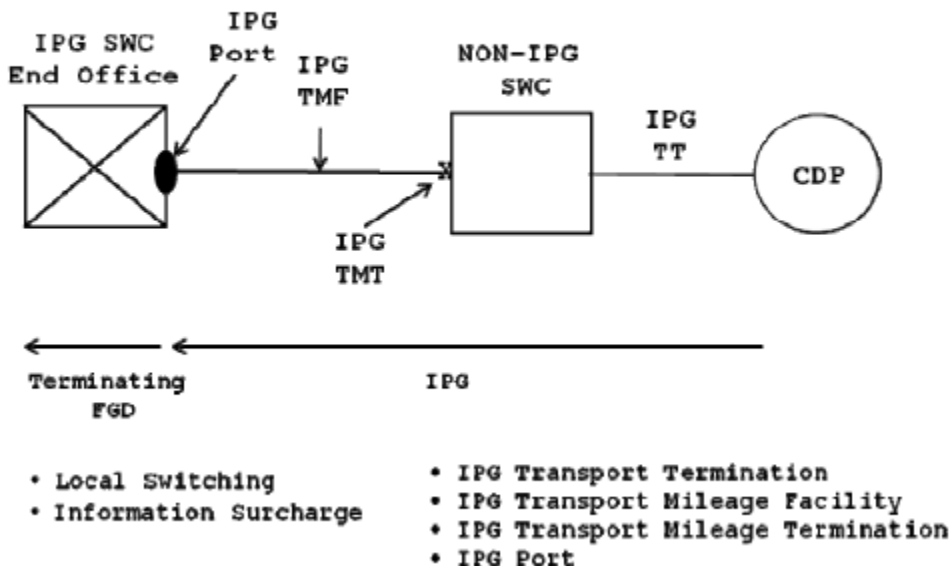
16. Public Packet Data Network (Cont'd)

16.4 Internet Protocol Gateway Access Service (Cont'd)

16.4.4 Rate Regulations (Cont'd)

In the third figure, the IPG customer's CDP is served by a SWC that is not the IPG SWC. The Telephone Company deployed its IP gateway at its end office. The IPG customer obtains the ability to terminate traffic originated on or transported across its IP based network to local exchange service subscribers served by this end office. The IPG customer orders the applicable IPG service elements from the Telephone Company pursuant to the provisions specified in this section and the applicable terminating FGD Switched Access Service elements pursuant to the provisions specified in Section 6.8.1, preceding.

Figure 3



ACCESS SERVICE

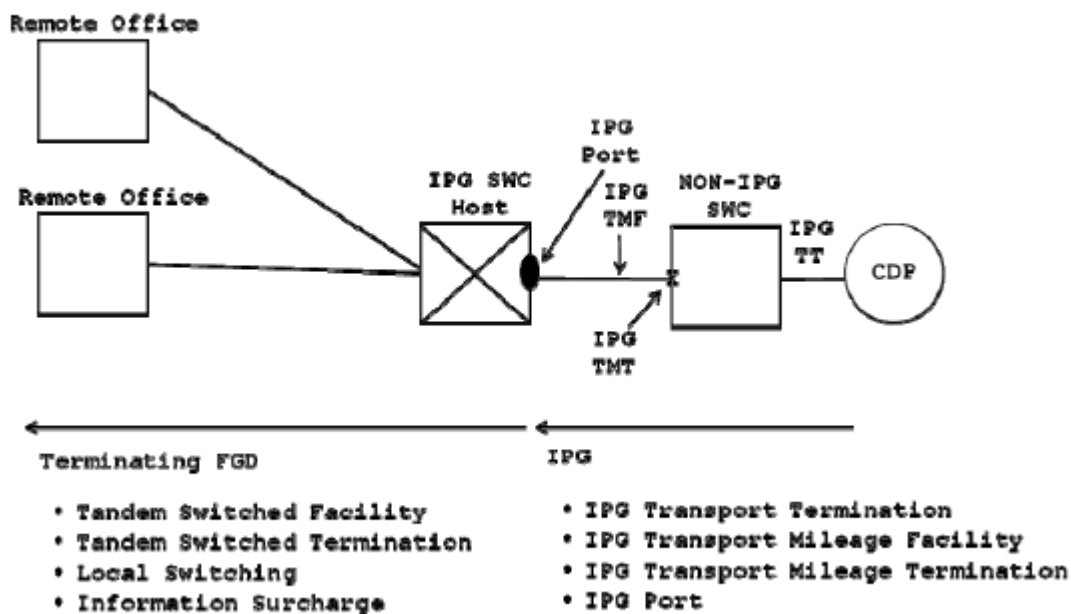
16. Public Packet Data Network (Cont'd)

16.4 Internet Protocol Gateway Access Service (Cont'd)

16.4.4 Rate Regulations (Cont'd)

In the fourth figure, the IPG customer's CDP is served by a SWC that is not the IPG SWC. The Telephone Company deployed its IP gateway at its host office. The IPG customer obtains the ability to terminate traffic originated on or transported across its IP based network to local exchange service subscribers served by this host office and its subtending remote offices. The IPG customer orders the applicable IPG service elements from the Telephone Company pursuant to the provisions specified in this section and the applicable terminating FGD Switched Access Service elements pursuant to the provisions specified in Section 6.8.1, preceding.

Figure 4



ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.4 Internet Protocol Gateway Access Service (Cont'd)16.4.4 Rate Regulations (Cont'd)(A) Rate Categories

IPG service elements are described below. Rates and charges are specified in Section 17.4.7(D), following.

(1) IPG Transport Termination (TT)

An IPG TT provides the transport facility between the customer's designated premises and the Telephone Company's SWC. The IPG TT rate element is designed to recover the costs associated with this transport facility.

IPG TTs are available at bandwidth speeds of 1.544 Mbps and 44.736 Mbps. The IPG customer orders the quantity and type of IPG TT it needs based on its bandwidth requirements. An IPG TT may be connected to: 1) an IPG Port when the IPG SWC is the SWC serving the customer's designated premises or 2) an IPG Transport Mileage Facility and IPG Transport Mileage Termination when the SWC serving the customer's designated premises is not IPG equipped.

Monthly and nonrecurring charges apply for each IPG TT ordered. The charges are based upon the bandwidth capacity ordered by the customer. The IPG TT will apply even if the customer's designated premises and the IPG SWC are located in the same Telephone Company building.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.4 Internet Protocol Gateway Access Service (Cont'd)16.4.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)

- (2) IPG Transport Mileage Facility (TMF) IPG TMF is required when the SWC serving the customer's designated premises is not IPG equipped. The IPG TMF provides the transport facility between the SWC serving the customer's designated premises and the Telephone Company's IPG SWC. The IPG TMF rate element is designed to recover the costs associated with this transport facility.

IPG TMF is available at bandwidth speeds of 1.544 Mbps and 44.736 Mbps. The IPG customer orders the quantity and type of IPG TMF it needs based on its bandwidth requirements.

A monthly charge applies for each IPG TMF ordered. The monthly charge for each IPG TMF is based upon the bandwidth speed ordered and the number of airline miles between the SWC serving the customer's designated premises and the Telephone Company's IPG SWC. To determine the applicable monthly charge, first compute the airline mileage using the V&H coordinates method described in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the total airline mileage. Once the total airline mileage for each IPG TMF is determined, multiply the number of airline miles times the IPG Transport Mileage Facility per mile rate for the bandwidth speed ordered.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

16.4 Internet Protocol Gateway Access Service (Cont'd)

16.4.4 Rate Regulations (Cont'd)

(A) Rate Categories (Cont'd)

(3) IPG Transport Mileage Termination (TMT)

An IPG TMT is required whenever the customer orders IPG TMF as described in (2), above. The IPG TMT provides the circuit equipment needed to terminate an IPG TMF at the SWC serving the customer's designated premises. The IPG TMT rate element is designed to recover the costs associated with this circuit equipment.

IPG TMT is available at bandwidth speeds of 1.544 Mbps and 44.736 Mbps.

For each IPG TMF ordered by the customer, one IPG TMT at the same speed as the associated IPG TMF applies. A monthly charge applies for each IPG TMT based upon the bandwidth speed ordered by the customer.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.4 Internet Protocol Gateway Access Service (Cont'd)16.4.4 Rate Regulations (Cont'd)(A) Rate Categories (Cont'd)

- (4) IPG Port An IPG Port provides network and signaling interfaces at the Telephone Company's IPG SWC. The IPG Port also provides for the establishment of a trunk-side bearer channel transmission path to allow voice call information to be passed from the customer's IP based network to the Telephone Company's switched network. The IPG Port rate element is designed to recover the costs associated with the providing the interface for the bearer channel transmission path.

IPG Ports are available with bandwidth speeds of 1.544 Mbps and 44.736 Mbps and can only be arranged for traffic terminating to the Telephone Company's switched network. Required IPG Transport into the IPG Port is provided using either: 1) an IPG TT when the SWC serving the customer's designated premises is IPG equipped or 2) a combination of an IPG TT, an IPG TMF and an IPG TMT when the SWC serving the customer's designated premises is not IPG equipped. The bandwidth speed of an IPG Port must be equal to the bandwidth speed of the associated IPG Transport.

A monthly charge applies for each IPG Port ordered. The monthly charge for each IPG Port is based upon the bandwidth speed ordered by the customer.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.4 Internet Protocol Gateway Access Service (Cont'd)16.4.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges

There are two types of rates and charges applicable to IPG. They are monthly rates and nonrecurring charges as described below.

- (1) Monthly Rates Monthly rates are recurring rates that apply each month or fraction thereof when an IPG service element is provided. For billing purposes, each month is considered to have 30 days.
- (2) Nonrecurring Charges Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for IPG are installation of service, service rearrangements and moves.

Except as specified below, these charges are in addition to the Access Order Charge as specified in Section 17.4.1, following.

(a) Installation of Service

Nonrecurring charges apply for the installation of IPG Transport Terminations.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.4 Internet Protocol Gateway Access Service (Cont'd)16.4.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)

- (b) Service Rearrangements Service rearrangements are changes to existing (i.e., installed) services, which may be administrative only in nature as set forth below or, that involve an actual physical change to the service.

When the IPG customer elects to change the bandwidth capacity on existing IPG Ports and associated IPG Transport, the request will be considered a discontinuance of service for the former capacity and start of service for the new capacity. Associated nonrecurring (i.e., installation) charges will apply. New minimum period requirements will be established for the new IPG service elements. The IPG customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued IPG service elements, if applicable.

Following the initial installation of service, the IPG customer may request a change to its existing signaling interface and/or bearer channel format provided the requested signaling interface and/or bearer channel format conforms to the transmission standards specified in the Technical References listed in Section 16.4.3(B), above. The Telephone Company and IPG customer will work cooperatively to ensure that proper call addressing and billing information will continue to be exchanged as described in Section 16.4.3(C), above, after the requested change is made. An Access Order Charge per order will apply for this type of request.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

16.4 Internet Protocol Gateway Access Service (Cont'd)

16.4.4 Rate Regulations (Cont'd)

(B) Types of Rates and Charges (Cont'd)

(2) Nonrecurring Charges (Cont'd)

(b) Service Rearrangements (Cont'd)

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

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)16.4 Internet Protocol Gateway Access Service (Cont'd)16.4.4 Rate Regulations (Cont'd)(B) Types of Rates and Charges (Cont'd)(2) Nonrecurring Charges (Cont'd)(c) Moves

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

- The Point of Termination at the customer's premises
- The customer's premises

The charges for moving IPG service elements are dependent on whether the move is to a different location within the same building, to a different building within the same SWC, or to a different building in a different SWC.

(i) Moves Within the Same Building

IPG Ports and, where required, IPG TMFs and IPG TMTs are not impacted when the IPG customer moves its Point of Termination to a different location within the same building. The charge for moving an IPG TT to a new location within the same building will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the IPG TT. There will be no change in the minimum period requirements.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

16.4 Internet Protocol Gateway Access Service (Cont'd)

16.4.4 Rate Regulations (Cont'd)

(B) Types of Rates and Charges (Cont'd)

(2) Nonrecurring Charges (Cont'd)

(c) Moves (Cont'd)

(ii) Moves To a Different Building
Within the Same SWC

IPG Ports and, where required, IPG TMFs and IPG TMTs are not impacted when the IPG customer moves its Point of Termination to a different building within the same SWC. The move of an IPG TT will be treated as a discontinuance and start of service. A nonrecurring (i.e., installation) charge will apply per IPG TT. A new minimum period requirement will be established for the IPG TT. The IPG customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued IPG TT, if applicable.

ACCESS SERVICE

16. Public Packet Data Network (Cont'd)

16.4 Internet Protocol Gateway Access Service (Cont'd)

16.4.4 Rate Regulations (Cont'd)

(B) Types of Rates and Charges (Cont'd)

(2) Nonrecurring Charges (Cont'd)

(c) Moves (Cont'd)

(iii) Moves to a Different Building in a Different SWC

A move to a different building in a different SWC will be treated as a discontinuance and start of service of all associated IPG elements. Associated nonrecurring (i.e., installation) charges will apply. New minimum period requirements will be established for the new IPG service elements. The IPG customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued IPG service elements, if applicable.

(C) Minimum Periods

The minimum period for all IPG service elements provided to the IPG customer and for which charges are applicable is twelve (12) months.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies17.1 Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port17.1.1 End User Access Service(A) Rates for End User Common Line

		Non Primary Residence	Single Line Business	Multi Line Business, ISDN PRI, Centrex
	<u>Residence</u>	<u>ISDN BRI</u>	<u>Business</u>	
Consolidated Communications of Maine Company				
China Study Area	6.50	6.50	6.50	8.10 (R)
Northland / Sidney Combined Study Area	6.50	6.50	6.50	8.10 (R)
Maine / Standish Combined Study Area	6.50	6.50	6.50	8.10 (R)
Consolidated Communications of Northland Company (VT)	6.50	6.50	6.50	8.10 (R)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.1 Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)

17.1.1 End User Access Service (Cont'd)

(B) Access Recovery Charge

		Single Line Business <u>ISDN BRI</u>	Multi- Line Business <u>ISDN BRI</u>	<u>Centrex</u>
Consolidated Communications of Maine Company	<u>Residence</u>			
China Study Area	\$2.22 (I)	\$2.50 (I)	\$3.82(R)	\$3.82 (R)
Maine / Standish Combined Study Area	\$2.22 (I)	\$2.50 (I)	\$3.82 (R)	\$3.82 (R)
Northland / Sidney Study Area	\$2.22 (I)	\$2.50 (I)	\$3.82 (R)	\$3.82 (R)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.1 Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)

17.1.1 End User Access Service (Cont'd)

(B) Access Recovery Charge (Cont'd)

(C)(M)

(C)(M)

Rates previously found on this page are now incorporated with the rates listed on Page 17-2.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.1 Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)

17.1.1 End User Access Service (Cont'd)

(B) Access Recovery Charge

	<u>Residence</u>	Single Line Business <u>ISDN BRI</u>	Multi- Line Business <u>ISDN BRI</u>	<u>Centrex</u>
Consolidated Communications of Northland Company (VT)	\$2.22 (I)	\$2.50 (I)	\$3.80 (R)	\$3.80 (R)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.1 Common Line Access Service, Federal Universal Service Charge, ISDN Line Ports and DS1 Line Port (Cont'd)

17.1.2 Federal Universal Service Charge (FUSC)

Regulations concerning the Federal Universal Service Charges are set forth in Section 3.1 preceding.

		<u>Percentage</u>	
(A)	FUSC Surcharge Factor	26.5%	(I)

17.1.3	<u>ISDN Line Ports</u>	<u>Monthly Rate</u>	
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	(A) ISDN BRI Line Port		
	- Per Arrangement	\$2.23	

	(B) ISDN PRI Line Port		
	- per arrangement	\$23.51	

17.1.4	<u>DS1 Line Ports</u>	<u>Monthly Rate</u>	
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	(A) DS1 Line Port		
	- per DS1 (1.544 Mbps) channel service	\$23.51	

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.2 Switched Access ServiceTariff
Section17.2.1 Nonrecurring ChargesRate
Reference(A) Local Transport – Installation Per Entrance Facility

-	Voice Grade Two-Wire	\$450.00
-	Voice Grade Four-Wire	\$450.00
-	High Capacity DS1	\$330.00
-	High Capacity DS3	\$445.00
-	Synchronous Optical Channel OC3	\$360.00
-	Synchronous Optical Channel OC12	\$360.00

(B) Interim NXX Translation Per Order

Per LATA or Market Area	\$220.00	6.4.1(B)(2)
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(C) FGC and FGD Conversion of Multifrequency Address Signaling to SS7 Signaling Or SS7 Signaling to Multifrequency Address Signaling

- Per 24 Trunks Converted or Fraction thereof on a Per Order Bases	\$442.00	6.4.1(B)(3)
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(D) Trunk ActivationPer Order

- Per 24 Trunks Activated or Fraction thereof, on a Per Order Basis	\$229.50	6.4.1(B)(1)
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(E) Flexible Automatic Number Identification (Flex ANI)

- Per End Office, Per CIC	ICB	6.9.1(AA)
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ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.2 Switched Access Service (Cont'd)

Tariff
Section
Reference

17.2.2 Local Transport

Premium Access

Entrance Facility, Per Termination

6.1.3(A)(1)

Monthly Rate

		Sync		Sync			
		Voice Grade <u>2-Wire</u>	Voice Grade <u>4-Wire</u>	High Capacity <u>DS1</u>	High Capacity <u>DS3</u>	Optical Channel <u>OC3</u>	Optical Channel <u>OC12</u>
Consolidated Communications of Maine Company (C)							
China Study Area	(C)	\$47.48	\$75.97	\$233.60	\$2,133.28	\$2,263.97	\$2,363.14
Northland / Sidney Combined Study Area		\$24.86	\$39.78	\$122.31	\$1,116.96	\$2,263.97	\$2,363.14
Maine / Standish Combined Study Area		\$76.22	\$121.95	\$374.24	\$2,495.45	\$2,716.76	\$2,835.77
Consolidated Communications of Northland-VT	(C)	\$38.61	\$61.78	\$189.96	\$1,734.75	\$2,263.97	\$2,363.14

Tariff
Section
Reference
6.1.3(A)(2)

Direct Trunked Transport

Direct Trunked Facility, Per Mile

Monthly Rate

		Voice Grade <u>2-Wire</u>	Voice Grade <u>4-Wire</u>	High Capacity <u>DS1</u>	High Capacity <u>DS3</u>	Sync Optical Channel <u>OC3</u>	Sync Optical Channel <u>OC12</u>
Consolidated Communications of Maine Company(C)							
China Study Area	(C)	\$3.38	\$3.38	\$15.99	\$139.36	\$155.35	\$194.98
Northland / Sidney Combined Study Area		\$1.77	\$1.77	\$5.75	\$72.98	\$155.35	\$194.98
Maine / Standish Combined Study Area		\$5.42	\$5.42	\$25.64	\$160.62	\$186.42	\$233.98
Consolidated Communications of Northland-VT	(C)	\$2.75	\$2.75	\$13.01	\$113.38	\$155.35	\$194.98

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.2 Local Transport (Cont'd)

Premium Access (Cont'd)

Direct Trunked Transport
Direct Trunked Facility, Per Termination

Tariff
Section
Reference
6.1.3(A)(2)

Monthly Rate

				Sync			
				Voice Grade <u>2-Wire</u> <u>OC3</u>	Voice Grade <u>4-Wire</u> <u>OC12</u>	High Capacity <u>DS1</u>	High Capacity <u>DS3</u>
						Optical Channel	Optical Channel
Consolidated Communications of Maine Company (C)							
China Study Area	(C)	\$29.00		\$29.00	\$26.17	\$533.30	\$577.92
Northland / Sidney Combined Study Area		\$17.80		\$17.80	\$12.82	\$279.28	\$577.92
Maine / Standish Combined Study Area		\$54.48		\$54.48	\$41.95	\$615.00	\$693.50
Consolidated Communications of Northland-VT	(C)	\$27.64		\$27.64	\$21.29	\$433.67	\$577.92

Tariff
Section
Reference
6.1.3(A)(4)

Multiplexing, Per Arrangement

Monthly Rate

				DS3 to <u>DS1</u>	DS1 to <u>Voice</u>	(C)
Consolidated Communications of Maine Company						
China Study Area				\$506.42	\$195.52	
Northland / Sidney Combined Study Area				\$506.42	\$195.52	
Maine / Standish Combined Study Area				\$437.00	\$234.62	
Consolidated Communications of Northland-VT				\$506.42	\$195.52	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.2 Local Transport (Cont'd)

Premium Access (Cont'd)

<u>Customer Node, Per Node</u>		<u>Monthly Rate</u>		Tariff Section <u>Reference</u> 6.1.3(A)(6)
		OC3 155.52 <u>Mbps</u>	OC12 622.08 <u>Mbps</u>	Nonrecurring Charge <u>All</u>
Consolidated Communications of Maine Company (C)				
China Study Area		\$525.70	\$1,518.70	\$640.00
Northland / Sidney Combined Study Area		\$525.70	\$1,518.70	\$640.00
Maine / Standish Combined Study Area		\$630.84	\$1,822.44	\$640.00
Consolidated Communications of Northland Company (VT)	(C)	\$525.70	\$1,518.70	\$640.00

<u>Customer Premises Port</u>							Tariff Section <u>Reference</u> 6.1.3(A)(6)
		OC3 155.52 <u>Mbps</u>	STS- 151.84 <u>Mbps</u>	DS3 44.736 <u>Mbps</u>	OC3- DS3 Non <u>Recurring</u>	DS1 1.544 <u>Mbps</u>	DS1 Non <u>Recurring</u>
Consolidated Communications of Maine Company (C)							
China Study Area	(C) \$159.29	\$207.10	\$207.10	\$640.00	\$53.09	\$640.00	
Northland / Sidney Combined Study Area	\$159.29	\$207.10	\$207.10	\$640.00	\$53.09	\$640.00	
Maine / Standish Combined Study Area	\$191.15	\$248.52	\$248.52	\$640.00	\$63.71	\$640.00	
Consolidated Communications of Northland-VT	(C) \$159.29	\$207.10	\$207.10	\$640.00	\$53.09	\$640.00	

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.2 Local Transport (Cont'd)

Premium Access (Cont'd)

	<u>Add/Drop Multiplexing</u> Central Office Port, per Port			Tariff Section Reference 6.1.3(A)(5)
	OC3 155.52 Mbps	DS3 44.736 Mbps	DS1 1.544 Mbps	
Consolidated Communications of Maine Company				(C)
China Study Area	\$159.29	\$106.20	\$42.48	
Northland / Sidney Combined Study Area	\$159.29	\$106.20	\$42.48	
Maine / Standish Combined Study Area	\$191.15	\$127.44	\$50.98	
Consolidated Communications of Northland – VT	\$159.29	\$106.20	\$42.48	(C)

	<u>Tandem Switched Transport</u>			Tariff Section Reference 6.1.3(A)(3)
	<u>Tandem Switched Facility (Per Access Minute Per Mile)</u>			
	<u>Originating</u>	<u>Terminating Tandem-3rd Party</u>	<u>Terminating End Office</u>	
Consolidated Communications of Maine Company				(C)
China Study Area	\$0.0006729	\$0.0006729	\$0.0000000	
Northland / Sidney Combined Study Area	\$0.0000045	\$0.0000045	\$0.0000000	
Maine / Standish Combined Study Area	\$0.000009	\$0.000009	\$0.0000000	
Consolidated Communications of Northland – VT	\$0.000041	\$0.000041	\$0.0000000	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.2 Local Transport (Cont'd)

Premium Access (Cont'd)

Tandem Switched Transport

Tariff
Section
Reference

6.1.3(A)(3)

Tandem Switched Termination (Per Access Minute Per Termination)

	<u>Originating</u>	<u>Terminating Tandem-3rd Party</u>	<u>Terminating End Office</u>	
Consolidated Communications of Maine Company				(C)
China Study Area	\$0.001919	\$0.001919	\$0.000000	
Northland / Sidney Study Area	\$0.00014125	\$0.00014125	\$0.000000	
Maine / Standish Combined Study Area	\$0.00097400	\$0.00097400	\$0.00000000	
Consolidated Communications of Northland – VT	\$0.000150	\$0.000150	\$0.000000	(C)

Tandem Switching (Per Access Minute Per Tandem)

	<u>Originating</u>	<u>Terminating Tandem-3rd Party</u>	<u>Terminating End Office</u>	
Consolidated Communications of Maine Company				(C)
China Study Area	\$0.000000	\$0.000000	\$0.000000	
Northland / Sidney Study Area	\$0.000000	\$0.000000	\$0.000000	
Maine / Standish Combined Study Area	\$0.002363	\$0.002363	\$0.000000	
Consolidated Communications of Northland – VT	\$0.000000	\$0.000000	\$0.000000	(C)

Tandem Switched Multi-Plexing Per Access Minute Per Tandem)

	<u>Originating</u>	<u>Terminating Tandem-3rd Party</u>	<u>Terminating End Office</u>	
Consolidated Communications of Maine Company				(C)
China Study Area	\$0.000183	\$0.000183	\$0.000000	
Northland / Sidney Study Area	\$0.000014	\$0.000014	\$0.000000	
Maine / Standish Combined Study Area	\$0.000083	\$0.000083	\$0.000000	
Consolidated Communications of of Northland – VT	\$0.000015	\$0.000015	\$0.000000	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.2 Local Transport (Cont'd)

Premium Access (Cont'd)

Tandem Switched Transport (Cont'd)

Network Blocking, Per Blocked Call

Tariff
Section
Reference
6.8.6

Rate
Applied to FGD Only

Consolidated Communications of Maine Company

China Study Area

\$0.0139 (C)

Northland / Sidney Study Area

\$0.0139 |

Maine / Standish Combined Study Area

\$0.0139 |

Consolidated Communications of Northland Company (VT)

\$0.0139 (C)

Tariff
Section
Reference
6.10.3

(A) Common Channel Signaling Network Connection
(1) Signaling Network Access Link

Monthly Rate

	Signaling Mileage Facility <u>Per Mile</u>	Signaling Mileage Termination Per <u>Termination</u>	Signaling Entrance Facility Per <u>Facility</u>	Nonrecurring Charge Signaling <u>Per Facility</u>	
Consolidated Communications of Maine Company					(C)
China Study Area	\$4.56	\$45.89)	\$87.84	\$390.00	
Northland / Sidney Study Area	\$3.71	\$37.31	\$71.43	\$390.00	
Maine / Standish Combined Study Area	\$7.32	\$73.55	\$140.24	\$390.00	
Consolidated Communications of Northland Company (VT)	\$3.71	\$37.31)	\$71.43	\$390.00	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.2 Switched Access Service (Cont'd)17.2.2 Local Transport (Cont'd)Premium Access (Cont'd)Tandem Switched Transport (Cont'd)Tariff
Section
Reference(A) Common Channel Signaling Network Connection
(Cont'd)

6.10.3

(2) STP Port, Per Port

Monthly Rate

Consolidated Communications of Maine Company

(C)

China Study Area

\$419.31

|

Northland / Sidney Study Area

\$455.00

|

Maine / Standish Combined Study Area

\$455.37

|

Consolidated Communications of Northland Company (VT)

\$374.97

(C)

Tariff
Section
Reference(B) 800 Data Base Access Service Queries, Per Query

6.10.3

BasicVertical Feature

Consolidated Communications of Maine Company

(C)

China Study Area

\$0.005400

\$0.006000 |

Northland / Sidney Combined Study Area

\$0.005400

\$0.006000 |

Maine / Standish Combined Study Area

\$0.005400

\$0.006000 |

Consolidated Communications of Northland Company (VT)

\$0.005400

\$0.006000 (C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.2 Local Transport (Cont'd)

Premium Access (Cont'd)

(C) Dedicated Trunk Port

Tariff
Section
Reference
6.1.3(A)(2)

	Access Tandem Dedicated Trunk Port Voice Band Monthly Rate, Per <u>Channel</u>	Access Tandem Dedicated Trunk Port DS1 Monthly Rate, Per <u>Channel</u>	
Consolidated Communications of Maine Company			(C)
China Study Area	\$16.77	\$7.89	
Northland / Sidney Combined Study Area	16.77	7.89	
Maine / Standish Combined Study Area	16.77	7.89	
Consolidated Communications of Northland Company (VT)	16.77	7.89	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.2 Switched Access Service (Cont'd)17.2.3 End Office

17.2.3	<u>End Office</u>			Tariff Section <u>Reference</u>	
	(A)	Local Switching		6.1.3(B)(1)	
			<u>Premium Rates</u>		
			<u>Terminating</u>	<u>Originating</u>	
Consolidated Communications of Maine Company					(C)
China Study Area			\$0.000000	\$0.01154520	
Northland / Sidney Study Area			\$0.000000	\$0.00574581	
Maine / Standish Combined Study Area			\$0.000000	\$0.00392220	
Consolidated Communications of Northland Company (VT)			\$0.000000	\$0.00479744	(C)
				Tariff Section <u>Reference</u>	
	(B)	<u>Information Surcharge</u>		6.1.3(B)(3)	
		- Premium Per 100 Access Minutes	\$0.00		
		- Non-Premium Per 100 Access Minutes	\$0.00		
				Tariff Section <u>Reference</u>	
	(C)	<u>End Office Direct Trunk Port</u>		6.1.3(B)(4)	
			<u>Rate</u>	<u>Rate</u>	
Consolidated Communications of Maine Company			<u>Voice Grade</u>	<u>DS1</u>	(C)
China Study Area			\$2.74	\$1.30	
Northland / Sidney Combined Study Area			\$0.000000	\$0.50	
Maine / Standish Combined Study Area			\$0.000000	\$2.08	
Consolidated Communications of Northland Company (VT)			\$0.000000	\$1.04	(C)
	(D)	<u>End Office Common Trunk Port</u>			
			<u>Rate Per Access Minute</u>		
			<u>Terminating</u>	<u>Originating</u>	
Consolidated Communications of Maine Company					(C)
China Study Area			\$0.00	\$0.001792	
Northland / Sidney Study Area			\$0.00	\$0.00063108	
Maine / Standish Combined Study Area			\$0.00	\$0.000952	
Consolidated Communications of Northland Company (VT)			\$0.00	\$0.000300	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.2 Switched Access Service (Cont'd)17.2.4 Feature Group B (FGB) with an Abbreviated Dialing Arrangement (ADA)
Rate Factor

In end offices that are equipped with equal access capabilities, premium rates apply to all FGB with ADA access minutes. In end offices that are not equipped with equal access capabilities:

- Switched Access premium rates will apply to:
 - Entrance Facility
 - Direct Trunked Termination
 - Directed Trunked Facility
 - Tandem Switched Termination
 - Tandem Switched Facility
 - Tandem Switching
 - Multiplexing
 - Add/Drop Multiplexing
 - Customer Node
 - Customer Premises Port
- Switched Access premium rates multiplied by an ADA rate factor of .95 will apply to:
 - Local Switching
 - Information Surcharge

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.2 Switched Access Service (Cont'd)

17.2.5 [Reserved for Future Use]

(D)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.2 Switched Access Service (Cont'd)

17.2.6	<u>Assumed Minutes of Use</u>	Assumed Minutes Per Month Per Line <u>or Trunk</u>	Tariff Section <u>Reference</u>
(A)	Feature Group A, Two Way Calling (1510 Originating, 2685 Terminating)	4195	6.5.4
(B)	Feature Group A, Originating Only	1510	6.5.4
(C)	Feature Group A, Terminating Only	2685	6.5.4
(D)	Feature Group B, Two Way Calling (3132 Originating, 5568 Terminating)	8700	6.6.4
(E)	Feature Group B, Originating Only	3132	6.6.4
(F)	Feature Group B, Terminating Only	5568	6.6.4
17.2.7	<u>Operator Transfer Service</u>	<u>Rate</u>	
	Per Call Transferred	\$0.04588	6.10
17.2.8	<u>Carrier Identification Parameter (CIP)</u>		
	Non-Recurring Charge-Per CIC, Per End Office Direct Trunk <u>Group</u>	Non-Recurring Charge-Per CIC Per Access Tandem Direct Trunk <u>Group</u>	Monthly Recurring Charge <u>Per Trunk</u>
	Rate	\$80.00	\$1,120.00
			\$0.46 (N)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.3 Special Access Service17.3.1 Surcharge for Special Access Service

	<u>Monthly Rate</u>	<u>Tariff Section Reference</u>
- Per Voice Grade Equivalent	\$25.00	7.3

17.3.2 Metallic Service

Regulations Concerning Metallic Service are set forth in Section 7.4, preceding.

(A) Channel Termination, Per Termination

(1) Non-End User Channel Termination

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company			
China Study Area	\$32.45	\$495.00	(I)
Northland / Sidney Combined Study Area	\$32.45	\$495.00	
Maine / Standish Combined Study Area	\$38.94	\$495.00	
Consolidated Communications of Northland Company (VT)	\$32.45	\$495.00	(I)

(2) End User Channel Termination

(a) Competitive Serving Wire Center

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company			
China Study Area	\$32.45	\$495.00	(I)
Northland / Sidney Combined Study Area	\$32.45	\$495.00	
Maine / Standish Combined Study Area	\$38.94	\$495.00	
Consolidated Communications of Northland Company (VT)	\$32.45	\$495.00	(I)

(b) Non-Competitive Serving Wire Center

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Consolidated Communications of Northland Company – Alburgh Exchange	\$29.50	\$450.00

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.2 Metallic Service (Cont'd)

(B) Channel Mileage

Monthly Rates

	<u>Mileage</u> <u>Facility, Per</u> <u>Mile</u>	<u>Mileage</u> <u>Termination, Per</u> <u>Termination</u>	
Consolidated Communications of Maine Company			
China Study Area	\$46.71	\$3.26	(I)
Northland / Sidney Combined Study Area	\$46.71	\$3.26	
Maine / Standish Combined Study Area	\$56.05	\$3.91	
Consolidated Communications of Northland Company (VT)	\$46.71	\$3.26	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.2 Metallic Service (Cont'd)

Regulations Concerning Metallic Service are set forth in Section 7.4, preceding.

(C) Optional Features and Functions

(1) Bridging, Per Port

Monthly Rates

	<u>3 Premises Bridging</u>	<u>Series Bridging</u>	
Consolidated Communications of Maine Company			
China Study Area	\$6.94	\$6.94	(C)
Northland / Sidney Combined Study Area	\$6.94	\$6.94	
Maine / Standish Combined Study Area	\$8.33	\$8.33	
Consolidated Communications of Northland Company (VT)	\$6.94	\$6.94	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.3 Telegraph Grade Service

Regulations concerning Telegraph Grade Service are set forth in Section 7.5, preceding.

(A)Channel Termination, Per Termination

(1) Non-End User Channel Termination

	<u>2-Wire</u>	<u>4-Wire</u>	Nonrecurring <u>Charge</u>	
Consolidated Communications of Maine Company				
China Study Area	\$32.45	\$64.91	\$495.00	(I)
Northland / Sidney Combined Study Area	\$32.45	\$64.91	\$495.00	
Maine / Standish Combined Study Area	\$38.94	\$77.89	\$495.00	
Consolidated Communications of Northland Company (VT)	\$32.45	\$64.91	\$495.00	(I)

(2) End User Channel Termination

(a) Competitive Serving Wire Center

	<u>2-Wire</u>	<u>4-Wire</u>	Nonrecurring <u>Charge</u>	
Consolidated Communications of Maine Company				
China Study Area	\$32.45	\$64.91	\$495.00	(I)
Northland / Sidney Combined Study Area	\$32.45	\$64.91	\$495.00	
Maine / Standish Combined Study Area	\$38.94	\$77.89	\$495.00	
Consolidated Communications of Northland Company (VT)	\$32.45	\$64.91	\$495.00	(I)

(b) Non-Competitive Serving Wire Center

	<u>2-Wire</u>	<u>4-Wire</u>	Nonrecurring <u>Charge</u>
Consolidated Communications of Northland Company– Alburgh Exchange	\$29.50	\$59.01	\$450.00

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.3 Telegraph Grade Service (Cont'd)

(B) Channel Mileage

	<u>Monthly Rates</u>		
	<u>Channel Mileage Facility, Per Mile</u>	<u>Channel Mileage Termination, Per Termination</u>	
Consolidated Communications of Maine Company			
China Study Area	\$3.72	\$37.39	(I)
Northland / Sidney Combined Study Area	\$3.88	\$39.03	
Maine / Standish Combined Study Area	\$4.66	\$46.84	
Consolidated Communications of Northland Company (VT)	\$3.88	\$39.03	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.3 Special Access Service (Cont'd)17.3.3 Telegraph Grade Service (Cont'd)

Regulations concerning Telegraph Grade Service are set forth in Section 7.5, preceding.

(C) Optional Features and Functions

(1) Telegraph Bridging, Per Port

Monthly Rates

	<u>2-Wire</u>	<u>4-Wire</u>	(C)
Consolidated Communications of Maine Company			
China Study Area	\$6.94	\$6.94	
Northland / Sidney Combined Study Area	\$6.94	\$6.94	
Maine / Standish Combined Study Area	\$8.33	\$8.33	
Consolidated Communications of Northland Company (VT)	\$6.94	\$6.94	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service

Regulations concerning Voice Grade Service are set forth in Section 7.6, preceding.

(A) Channel Termination, Per Termination

(1) Non-End User Channel Termination

	<u>Monthly Rates</u>		Nonrecurring Charge	
	<u>2-Wire</u>	<u>4-Wire</u>	<u>All</u>	
Consolidated Communications of Maine Company				
China Study Area	\$52.23	\$83.57	\$495.00	(I)
Northland / Sidney Combined Study Area	\$27.35	\$43.76	\$495.00	
Maine / Standish Combined Study Area	\$83.84	\$134.15	\$495.00	
Consolidated Communications of Northland Company (VT)	\$42.47	\$67.96	\$495.00	(I)

(B) Channel Termination, Per Termination

(2) End User Channel Termination

(a) Competitive Serving Wire Center

	<u>Monthly Rates</u>		Nonrecurring Charge	
	<u>2-Wire</u>	<u>4-Wire</u>	<u>All</u>	
Consolidated Communications of Maine Company				
China Study Area	\$52.23	\$83.57	\$495.00	(I)
Northland / Sidney Combined Study Area	\$27.35	\$43.76	\$495.00	
Maine / Standish Combined Study Area	\$83.84	\$134.15	\$495.00	
Consolidated Communications of Northland Company (VT)	\$42.47	\$67.96	\$495.00	(I)

(b) Non-Competitive Serving Wire Center

	<u>Monthly Rates</u>		Nonrecurring Charge	
	<u>2-Wire</u>	<u>4-Wire</u>	<u>All</u>	
Consolidated Communications of Northland Company – Alburgh Exchange	\$38.61	\$61.78	\$450.00	

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.4 Voice Grade Service (Cont'd)

(B) Channel Mileage

		<u>Monthly Rates</u>	
		<u>Channel Mileage Facility, Per Mile</u>	<u>Channel Mileage Termination, Per Termination</u>
Consolidated Communications of Maine Company			
China Study Area		\$3.72	\$37.39 (I)
Northland / Sidney Combined Study Area		\$1.95	\$19.58
Maine / Standish Combined Study Area		\$5.96	\$59.93
Consolidated Communications of Northland Company (VT)		\$3.03	\$30.40 (I)

(C) Optional Features and Functions

(1) Bridging

- (a) Voice Bridging, Per Port
- (b) Data Bridging, Per Port
- (c) Telephoto Bridging, Per Port

		<u>Monthly Rates</u>	
		<u>2-Wire</u>	<u>4-Wire</u>
Consolidated Communications of Maine Company			
China Study Area		\$6.94	\$6.94
Northland / Sidney Combined Study Area		\$6.94	\$6.94
Maine / Standish Combined Study Area		\$8.33	\$8.33
Consolidated Communications of Northland Company (VT)		\$6.94	\$6.94

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.4 Voice Grade Service (Cont'd)

(C) Optional Features and Functions (Cont'd)

(1) Bridging (Cont'd)

(d) DATAPHONE Select-A-Station-Bridging

Monthly Rates

	Sequential Arrangement Ports Per Channel Connected	Sequential Arrangement Ports Per Channel Connected	Addressable Arrangement Ports Per Channel Connected	Addressable Arrangement Ports Per Channel Connected
Consolidated Communications of Maine Company	<u>2-Wire</u>	<u>4-Wire</u>	<u>2-Wire</u>	<u>4-Wire</u> (C)
China Study Area	\$23.69	\$125.67	\$25.35	\$109.76
Northland / Sidney Combined Study Area	\$23.69	\$125.67	\$25.35	\$109.76
Maine / Standish Combined Study Area	\$28.43	\$150.80	\$30.42	\$131.71
Consolidated Communications of Northland Company (VT)	\$23.69	\$125.67	\$25.35	\$109.76 (C)

(e) Telemetry & Alarm Bridging Active Bridging
Channel Connections

Monthly Rates

	Per ChannelPer Connections Connected	Passive Bridging Channel Channel	Per Channel Connected
Consolidated Communications of Maine Company	<u>Split Band</u>	<u>Summation</u>	<u>Connected</u> (C)
China Study Area	\$11.06	\$4.32	\$0.30
Northland / Sidney Combined Study Area	\$11.06	\$4.32	\$0.30
Maine / Standish Combined Study Area	\$13.27	\$5.18	\$0.36
Consolidated Communications of Northland Company (VT)	\$11.06	\$4.32	\$0.30 (C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.4 Voice Grade Service (Cont'd)

(C) Optional Features and Functions (Cont'd)

(2) Conditioning, Per Termination

Monthly Rates

	C-	Improved Attenuation	Improved Envelope Delay	Data	Telephoto	Sealing (C)
Consolidated Communications of Maine Company	Type	Distortion	Distortion	Capability	Capability	Current
China Study Area	\$7.69	ICB	ICB	\$7.32	\$9.64	ICB
Northland / Sidney Combined Study Area	\$7.69	ICB	ICB	\$7.32	\$9.64	ICB
Maine / Standish Combined Study Area	\$9.23	ICB	ICB	\$8.78	\$11.57	ICB
Consolidated Comm of Northland – VT	\$7.69	ICB	ICB	\$7.32	\$9.64	ICB (C)

(3) Improved Return Loss for Effective 2-Wire or 4-Wire
Transmission, Per Termination

Monthly Rates

	2-Wire	4-Wire	(C)
Consolidated Communications of Maine Company			
China Study Area	\$13.66	\$13.66	
Northland / Sidney Combined Study Area	\$13.66	\$13.66	
Maine / Standish Combined Study Area	\$16.39	\$16.39	
Consolidated Comm of Northland – VT	\$13.66	\$13.66	(C)

* Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.3 Special Access Service (Cont'd)17.3.4 Voice Grade Service (Cont'd)(C) Optional Features and Functions (Cont'd)

- (4) Customer Specified Receive Level, Per 2-Wire Termination
- (5) Multiplexing, Per Arrangement, Voice to Telegraph Grade
- (6) Signaling Capability, Per Termination
- (7) Selective Signaling Arrangement, Per Arrangement

	<u>Monthly Rate</u>			
	(4) Customer Specified Receive Level, Per 2- <u>Wire Term</u>	(5) Multiplexing, Per Arrangement, Voice to <u>Telegraph</u>	(6) Signaling Capability, Per <u>Termination</u>	(7) Selective Signaling Arrangement, Per <u>Arrangement</u>
Consolidated Communications of Maine Company				
China Study Area	\$9.40	\$265.65 (I)	\$18.87	\$6.94
Northland / Sidney Combined Study Area	\$9.40	\$265.65	\$18.87	\$6.94
Maine / Standish Combined Study Area	\$11.28	\$318.78	\$22.64	\$8.33
Consolidated Communications of Northland(VT)	\$9.40	\$265.65 (I)	\$18.87	\$6.94

(8) Transfer Arrangement (Key Activated* or Dial-up**)

	<u>Monthly Rates</u>	
	<u>4 Port***</u>	<u>5 Port***</u>
Consolidated Communications of Maine Company		
China Study Area	\$3.34	\$7.63
Northland / Sidney Combined Study Area	\$3.34	\$7.63
Maine / Standish Combined Study Area	\$4.01	\$9.16
Consolidated Comm of Northland – VT	\$3.34	\$7.63

* The Key Activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

** The Dial-Up option requires the customer to purchase the Controller Arrangement from Section 13.3.4, preceding.

*** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.4 Voice Grade Service (Cont'd)

(C) Optional Features and Functions (Cont'd)

(9) Public Packet Switching Network (PPSN) Interface
Arrangement, Per Arrangement

Monthly Rate
ICB

17.3.5 Program Audio Service

(A) Channel Termination, Per Termination

Tariff
Section
Reference
7.2.2(B)

(1) Non-End User Channel Termination

200 to 3500 Hz

	<u>Monthly Rate</u>	<u>Daily Rate*</u>	Nonrecurring Charge <u>Monthly/Daily</u>	
Consolidated Communications of Maine Company				
China Study Area	\$57.78	\$5.78	\$495.00	(I)
Northland / Sidney Combined Study Area	\$57.78	\$5.78	\$495.00	
Maine / Standish Combined Study Area	\$69.34	\$6.93	\$495.00	
Consolidated Communications of Northland Company (VT)	\$57.78	\$5.78	\$495.00	(I)
Consolidated Communications of Maine Company	<u>100 to 5000 Hz</u>			
China Study Area	\$100.62	\$10.07	\$495.00	(I)
Northland / Sidney Combined Study Area	\$100.62	\$10.07	\$495.00	
Maine / Standish Combined Study Area	\$120.74	\$12.08	\$495.00	
Consolidated Communications of Northland Company (VT)	\$100.62	\$10.07	\$495.00	(I)
Consolidated Communications of Maine Company	<u>50 to 8000 Hz</u>			
China Study Area	\$100.62	\$10.07	\$495.00	(I)
Northland / Sidney Combined Study Area	\$100.62	\$10.07	\$495.00	
Maine / Standish Combined Study Area	\$120.74	\$12.08	\$495.00	
Consolidated Communications of Northland Company (VT)	\$100.62	\$10.07	\$495.00	(I)

*Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.5 Program Audio Service (Cont'd)

(A) Channel Termination, Per Termination (Cont'd)

(2) End User Channel Termination

(a) Competitive Serving Wire Center

	<u>200 to 3500 Hz</u>		Nonrecurring Charge	
	<u>Monthly Rate</u>	<u>Daily Rate*</u>		
	<u>Monthly/Daily</u>			
Consolidated Communications of Maine Company				
China Study Area	\$57.78	\$5.78	\$495.00	(I)
Northland / Sidney Combined Study Area	\$57.78	\$5.78	\$495.00	
Maine / Standish Combined Study Area	\$69.34	\$6.93	\$495.00	
Consolidated Communications of Northland Company (VT)	\$57.78	\$5.78	\$495.00	(I)
	<u>100 to 5000 Hz</u>			
Consolidated Communications of Maine Company				
China Study Area	\$100.62	\$10.07	\$495.00	(I)
Northland / Sidney Combined Study Area	\$100.62	\$10.07	\$495.00	
Maine / Standish Combined Study Area	\$120.74	\$12.08	\$495.00	
Consolidated Communications of Northland Company (VT)	\$100.62	\$10.07	\$495.00	(I)
	<u>50 to 8000 Hz</u>			
Consolidated Communications of Maine Company				
China Study Area	\$100.62	\$10.07	\$495.00	(I)
Northland / Sidney Combined Study Area	\$100.62	\$10.07	\$495.00	
Maine / Standish Combined Study Area	\$120.74	\$12.08	\$495.00	
Consolidated Communications of Northland Company (VT)	\$100.62	\$10.07	\$495.00	(I)

*Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.5 Program Audio Service (Cont'd)

(A) Channel Termination, Per Termination (Cont'd)

(2) End User Channel Termination (Cont'd)

(b) Non-Competitive Serving Wire Center

		<u>200 to 3500 Hz</u>			
		<u>Monthly Rate</u>	<u>Daily Rate*</u>	Nonrecurring Charge <u>Monthly/Daily</u>	
Consolidated Communications of Northland Company (VT)– Alburgh Exchange	\$52.53	\$5.25	\$450.00		(C) (C)
		<u>100 to 5000 Hz</u>			
Consolidated Communications of Northland Company (VT) – Alburgh Exchange	\$91.47	\$9.15	\$450.00		(C) (C)
		<u>50 to 8000 Hz</u>			
Consolidated Communications of Northland Company (VT) – Alburgh Exchange	\$91.47	\$9.15	\$450.00		(C) (C)

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.5 Program Audio Service (Cont'd)

(A) Channel Termination, Per Termination (Cont'd)

(1) Non-End User Channel Termination

	<u>50 to 15000 Hz</u>			
	<u>Monthly Rate</u>	<u>Daily Rate*</u>	Nonrecurring Charge <u>Monthly/Daily</u>	
Consolidated Communications of Maine Company				
China Study Area	\$100.62	\$10.07	\$495.00	(I)
Northland / Sidney Combined Study Area	\$100.62	\$10.07	\$495.00	
Maine / Standish Combined Study Area	\$120.74	\$12.08	\$495.00	
Consolidated Communications of Northland Company (VT)	\$100.62	\$10.07	\$495.00	(I)

(2) End User Channel Termination

(a) Competitive Serving Wire Center

	<u>50 to 15000 Hz</u>			
	<u>Monthly Rate</u>	<u>Daily Rate*</u>	Nonrecurring Charge <u>Monthly/Daily</u>	
Consolidated Communications of Maine Company				
China Study Area	\$100.62	\$10.07	\$495.00	(I)
Northland / Sidney Combined Study Area	\$100.62	\$10.07	\$495.00	
Maine / Standish Combined Study Area	\$120.74	\$12.08	\$495.00	
Consolidated Communications of Northland Company (VT)	\$100.62	\$10.07	\$495.00	(I)

(b) Non-Competitive Serving Wire Center

	<u>50 to 15000 Hz</u>			
	<u>Monthly Rate</u>	<u>Daily Rate*</u>	Nonrecurring Charge <u>Monthly/Daily</u>	
Consolidated Communications of Northland Company – Alburgh Exchange	\$91.47	\$9.15	\$450.00	

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.5 Program Audio Service (Cont'd)

(B) Channel Mileage (Cont'd)

(1) Channel Mileage Facility, Per Mile

	<u>200 to 3500 Hz</u>		<u>100 to 5000 Hz</u>		
	Monthly <u>Rate</u>	Daily <u>Rate*</u>	Monthly <u>Rate</u>	Daily <u>Rate*</u>	
Consolidated Communications of Maine Company					
China Study Area	\$3.88	\$0.39	\$7.78	\$0.78	(I)
Northland / Sidney Combined Study Area	\$3.88	\$0.39	\$7.78	\$0.78	
Maine / Standish Combined Study Area	\$4.66	\$0.46	\$9.33	\$0.94	
Consolidated Communications of Northland Company (VT)	\$3.88	\$0.39	\$7.78	\$0.78	(I)
	<u>50 to 8000 Hz</u>		<u>50 to 15000 Hz</u>		
	Monthly <u>Rate</u>	Daily <u>Rate*</u>	Monthly <u>Rate</u>	Daily <u>Rate*</u>	
Consolidated Communications of Maine Company					
China Study Area	\$11.66	\$1.17	\$15.54	\$1.55	(I)
Northland / Sidney Combined Study Area	\$11.66	\$1.17	\$15.54	\$1.55	
Maine / Standish Combined Study Area	\$13.99	\$1.40	\$18.66	\$1.87	
Consolidated Communications of Northland Company (VT)	\$11.66	\$1.17	\$15.54	\$1.55	(I)

*Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.5 Program Audio Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination, Per Termination

	<u>200 to 3500 Hz</u>		<u>100 to 5000 Hz</u>		
	<u>Monthly Rate</u>	<u>Daily Rate*</u>	<u>Monthly Rate</u>	<u>Daily Rate*</u>	
Consolidated Communications of Maine Company					
China Study Area	\$39.03	\$3.91	\$78.05	\$7.81	(I)
Northland / Sidney Combined Study Area	\$39.03	\$3.91	\$78.05	\$7.81	
Maine / Standish Combined Study Area	\$46.84	\$4.69	\$93.65	\$9.36	
Consolidated Communications of Northland Company (VT)	\$39.03	\$3.91	\$78.05	\$7.81	(I)
	<u>50 to 8000 Hz</u>		<u>50 to 15000 Hz</u>		
	<u>Monthly Rate</u>	<u>Daily Rate*</u>	<u>Monthly Rate</u>	<u>Daily Rate*</u>	
Consolidated Communications of Maine Company					
China Study Area	\$117.07	\$11.70	\$156.09	\$15.61	(I)
Northland / Sidney Combined Study Area	\$117.07	\$11.70	\$156.09	\$15.61	
Maine / Standish Combined Study Area	\$140.49	\$14.05	\$187.31	\$18.73	
Consolidated Communications of Northland Company	\$117.07	\$11.70	\$156.09	\$15.61	(I)

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.5 Program Audio Service (Cont'd)

(C) Optional Features and Functions

	<u>(1)</u>		<u>(2)</u>	
	Bridging Distribution Amplifier Per Port <u>Monthly Rate</u>	Bridging Distribution Amplifier Per Port <u>Daily Rate*</u>	Gain Conditioning Per Service Monthly <u>Rate</u>	Gain Conditioning Per Service Daily <u>Rate*</u>
Consolidated Communications of Maine Company				(C)
China Study Area	\$21.31	\$2.13	\$13.79	\$1.38
Northland / Sidney Combined Study Area	\$21.31	\$2.13	\$13.79	\$1.38
Maine / Standish Combined Study Area	\$25.57	\$2.56	\$16.55	\$1.66
Consolidated Communications of Northland Company (VT)	\$21.31	\$2.13	\$13.79	\$1.38 (C)
<u>(3)</u>				
	Stereo Per Service Monthly <u>Rate</u>			
		Stereo Per Service Daily <u>Rate*</u>		
Consolidated Communications of Maine Company				(C)
China Study Area	\$23.64	\$2.36		
Northland / Sidney Combined Study Area	\$23.64	\$2.36		
Maine / Standish Combined Study Area	\$28.37	\$2.84		
Consolidated Communications of Northland Company (VT)	\$23.64	\$2.36		(C)

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8, preceding

(A) Channel Termination, Per Termination

(1) Non-End User Channel Termination

	TV-1 or 2 Monthly Rate	TV-1 or 2 Daily Rate*	4TV-5 Monthly Rate	4TV-5 Daily Rate*	Nonrecurring Charge All
Consolidated Communications of Maine Company					
China Study Area	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00 (I)
Northland / Sidney Combined Study Area	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00
Maine / Standish Combined Study Area	\$716.41	\$394.02	\$716.41	\$394.02	\$363.00
Consolidated Communications of Northland Company (VT)	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00 (I)
	6TV-5 Monthly Rate	6TV-5 Daily Rate*	TV-15 Monthly Rate	TV-15 Daily Rate*	Nonrecurring Charge All
Consolidated Communications of Maine Company					
China Study Area	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00 (I)
Northland / Sidney Combined Study Area	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00
Maine / Standish Combined Study Area	\$716.41	\$394.02	\$716.41	\$394.02	\$363.00
Consolidated Communications of Northland Company (VT)	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00 (I)

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service (Cont'd)(A) Channel Termination, Per Termination (Cont'd)

(2) End User Channel Termination

(a) Competitive Serving Wire Center

	TV-1 or 2 Monthly Rate	TV-1 or 2 Daily* Rate	4TV-5 Monthly Rate	4TV-5 Daily Rate	Nonrecurring Charge All	
Consolidated Communications of Maine Company						
China Study Area	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00	(I)
Northland / Sidney Combined Study Area	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00	
Maine / Standish Combined Study Area	\$716.41	\$394.02	\$716.41	\$394.02	\$363.00	
Consolidated Communications of Northland Company (VT)	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00	(I)
	6TV-5 Monthly Rate	6TV-5 Daily Rate*	TV-15 Monthly Rate	TV-15 Daily Rate*	Nonrecurring Charge All	
Consolidated Communications of Maine Company						
China Study Area	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00	(I)
Northland / Sidney Combined Study Area	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00	
Maine / Standish Combined Study Area	\$716.41	\$394.02	\$716.41	\$394.02	\$363.00	
Consolidated Communications of Northland Company (VT)	\$597.00	\$328.35	\$597.00	\$328.35	\$363.00	(I)

(b) Non-Competitive Serving Wire Center

	TV-1 or 2 Monthly Rate	TV-1 or 2 Daily Rate*	4TV-5 Monthly Rate	4TV-5 Daily Rate*	Nonrecurring Charge All	
Consolidated Communications of Northland Company (VT)						
– Alburgh Exchange	\$542.73	\$298.50	\$542.73	\$298.5	\$330.00	
	6TV-5 Monthly Rate	6TV-5 Daily Rate*	TV-15 Monthly Rate	TV-15 Daily Rate*	Nonrecurring Charge All	
Consolidated Communications of Northland Company (VT)						
– Alburgh Exchange	\$542.73	\$298.50	\$542.73	\$298.5	\$330.00	

*Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

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ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.3 Special Access Service (Cont'd)17.3.6 Video Service

Regulations concerning Video Service are set forth in Section 7.8, preceding

(B) Channel Mileage

	<u>(1)</u>		<u>(2)</u>	
	Channel Mileage Facility Per Mile Monthly <u>Rate</u>	Channel Mileage Facility Per Mile Daily <u>Rate*</u>	Channel Mileage Termination Per Termination Monthly <u>Rate</u>	Channel Mileage Termination Per Termination Daily <u>Rate*</u>
Consolidated Communications of Maine Company				
China Study Area	\$508.13	\$279.48	\$541.40	\$297.77 (I)
Northland / Sidney Combined Study Area	\$508.13	\$279.48	\$541.40	\$297.77
Maine / Standish Combined Study Area	\$609.76	\$335.37	\$649.68	\$357.32
Consolidated Communications				
of Northland Company (VT)	\$508.13	\$279.48	\$541.40	\$297.77 (I)

* Daily rates will be topped and maximum rates derived as set forth in Section 7.2.2(B), preceding.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.3 Special Access Service (Cont'd)17.3.7 Digital Data Service

Regulations concerning Digital Data Service are set forth in Section 7.9, preceding

(A) Channel Termination, Per Termination

(1) Non-End User Channel Termination

	<u>Monthly Rate</u>			Nonrecurring Charge	
	2.4, 4.8, 9.6, 19.2 <u>Kbps</u>	56.0 <u>Kbps</u>	64.0 <u>Kbps</u>	<u>All</u>	
Consolidated Communications of Maine Company					
China Study Area	\$96.62	\$96.62	\$96.62	\$429.00	(I)
Northland / Sidney Combined Study Area	\$50.59	\$50.59	\$50.59	\$429.00	
Maine / Standish Combined Study Area	\$154.26	\$154.26	\$154.26	\$429.00	
Consolidated Communications of					
Northland Company (VT)	\$78.57	\$78.57	\$78.57	\$429.00	(I)

(2) End User Channel Termination

(a) Competitive Serving Wire Center

	<u>Monthly Rate</u>			Nonrecurring Charge	
	2.4, 4.8, 9.6, 19.2 <u>Kbps</u>	56.0 <u>Kbps</u>	64.0 <u>Kbps</u>	<u>All</u>	
Consolidated Communications of Maine Company					
China Study Area	\$96.62	\$96.62	\$96.62	\$429.00	(I)
Northland / Sidney Combined Study Area	\$50.59	\$50.59	\$50.59	\$429.00	
Maine / Standish Combined Study Area	\$154.26	\$154.26	\$154.26	\$429.00	
Consolidated Communications	\$78.57	\$78.57	\$78.57	\$429.00	(I)
of Northland Company (VT)					

(b) Non-Competitive Serving Wire Center

	<u>Monthly Rate</u>			Nonrecurring Charge
	2.4, 4.8, 9.6, 19.2 <u>Kbps</u>	56.0 <u>Kbps</u>	64.0 <u>Kbps</u>	<u>All</u>
Consolidated Communications of Northland Company – Alburgh Exchange	\$71.43	\$71.43	\$71.43	\$390.00

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.7 Digital Data Service (Cont'd)

(B) Channel Mileage

(1) Channel Mileage Facility, Per Mile

	2.4, 4.8, 9.6, 19.2 <u>Kbps</u>	56.0 <u>Kbps</u>	64.0 <u>Kbps</u>	
Consolidated Communications of Maine Company				
China Study Area	\$3.53	\$5.02	\$5.02	(I)
Northland / Sidney Combined Study Area	\$1.85	\$2.63	\$2.63	
Maine / Standish Combined Study Area	\$5.67	\$8.05	\$8.05	
Consolidated Communications of Northland Company (VT)	\$2.87	\$4.08	\$4.08	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.7 Digital Data Service (Cont'd)

(B) Channel Mileage (Cont'd)

(2) Channel Mileage Termination, Per Termination

	<u>Monthly Rate</u>			
	2.4, 4.8, 9.6, 19.2 <u>Kbps</u>	56.0 <u>Kbps</u>	64.0 <u>Kbps</u>	
Consolidated Communications of Maine Company				
China Study Area	\$35.52	\$50.48	\$50.48	(I)
Northland / Sidney Combined Study Area	\$18.60	\$26.43	\$26.43	
Maine / Standish Combined Study Area	\$56.94	\$80.91	\$80.91	
Consolidated Communications of Northland Company (VT)	\$28.89	\$41.04	\$41.04	(I)

(C) Optional Features and Functions

	<u>Monthly Rate</u>	
	(1) <u>Bridging Per Port</u>	(2) Loop Transfer Arrangement Per 4 Port Arrangement Key Activated** or <u>Dial-Up***</u>
Consolidated Communications of Maine Company		
China Study Area	\$8.39	\$6.64
Northland / Sidney Combined Study Area	\$8.39	\$6.64
Maine / Standish Combined Study Area	\$10.07	\$7.97
Consolidated Communications of Northland Company (VT)	\$8.39	\$6.64

** The Key Activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.

*** The Dial-Up option requires the customer to purchase the Controller Arrangement from Section 13.3.4, preceding.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.7 Digital Data Service (Cont'd)

(D) Channel Service Unit Per Termination****

Monthly Rate

2.4, 4.8, 9.6, 56.0

Kbps

Consolidated Communications of Maine Company

China Study Area

Northland / Sidney Combined Study Area

Maine / Standish Combined Study Area

Consolidated Communications of Northland Company (VT)

\$33.16

\$33.16

\$39.79

\$33.16

(C)

|

|

|

|

(C)

**** Channel Service Units will only be provided under tariff if they existed in the Telephone Company's inventory as of November 18, 1983.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.8 High Capacity Service

Regulations concerning High Capacity Service are set forth in Section 7.10, preceding.

(A) Channel Termination, Per Termination

(1) Non-End User Channel Termination

	DS1 1.544 <u>Mbps</u>	– Nonrecurring Charge <u>All</u>	DS3- 44.736 <u>Mbps</u>	Nonrecurring Charge <u>All</u>	
Consolidated Communications of Maine Company					
China Study Area	\$266.12	\$363.00	\$2,346.61	\$489.50	(I)
Northland / Sidney Combined Study Area	\$136.50	\$363.00	\$1,228.66	\$489.50	
Maine / Standish Combined Study Area	\$412.93	\$363.00	\$3,762.00	\$489.50	
Consolidated Communications of Northland Company (VT)	\$214.14	\$363.00	\$1,908.23	\$489.50	(I)

(2) End User Channel Termination

(a) Competitive Serving Wire Center

	DS1 1.544 <u>Mbps</u>	– Nonrecurring Charge <u>All</u>	DS3-44.736 <u>Mbps</u>	Nonrecurring Charge <u>All</u>	
Consolidated Communications of Maine Company					
China Study Area	\$266.12	\$363.00	\$2,346.61	\$489.50	(I)
Northland / Sidney Combined Study Area	\$136.50	\$363.00	\$1,228.66	\$489.50	
Maine / Standish Combined Study Area	\$412.93	\$363.00	\$3,762.00	\$489.50	
Consolidated Communications of Northland Company (VT)	\$214.14	\$363.00	\$1,908.23	\$489.50	(I)

(b) Non-Competitive Serving Wire Center

	DS1 1.544 <u>Mbps</u>	– Nonrecurring Charge <u>All</u>	DS3-44.736 <u>Mbps</u>	Nonrecurring Charge <u>All</u>
Consolidated Communications of Northland Company – Alburgh Exchange	\$194.67	\$330.00	\$1,734.75	\$445.00

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.8 High Capacity Service (Cont'd)

DS1C 3.152 Mbps

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
ICB	ICB

DS2 6.312 Mbps

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
ICB	ICB

DS4 274.76 Mbps

<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
ICB	ICB

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.8 High Capacity Service (Cont'd)

(B) Channel Mileage

(1) Channel Mileage Facility, Per Mile

Monthly Rate

	<u>64 Kbps</u>	<u>1.544 Mbps</u>	<u>3.152 Mbps</u>	<u>6.312 Mbps</u>	<u>44.736 Mbps</u>	<u>274.176 Mbps</u>	
Consolidated Communications of Maine Company							
China Study Area	\$5.02	\$20.16	ICB	ICB	\$153.30	ICB	(I)
Northland / Sidney Combined Study Area	\$2.63	\$10.08	ICB	ICB	\$80.28	ICB	
Maine / Standish Combined Study Area	\$8.05	\$30.12	ICB	ICB	\$255.42	ICB	
Consolidated Communications of Northland Company (VT)	\$4.08	\$15.31	ICB	ICB	\$124.72	ICB	(I)

(2) Channel Mileage Termination, Per Termination

Monthly Rate

	<u>64 Kbps</u>	<u>1.544 Mbps</u>	<u>3.152 Mbps</u>	<u>6.312 Mbps</u>	<u>44.736 Mbps</u>	<u>274.176 Mbps</u>	
Consolidated Communications of Maine Company							
China Study Area	\$50.48	\$92.05	ICB	ICB	\$586.63	ICB	(I)
Northland / Sidney Combined Study Area	\$26.43	\$50.26	ICB	ICB	\$307.21	ICB	
Maine / Standish Combined Study Area	\$80.91	\$146.40	ICB	ICB	\$940.27	ICB	
Consolidated Communications of Northland Company (VT)	\$41.04	\$78.29	ICB	ICB	\$477.04	ICB	(I)

Optional Rate Plan Term Discounts

	<u>Percentage</u>
DS1 & DS3 Service	
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.8 High Capacity Service (Cont'd)

(D) Optional Features and Functions

(1) Multiplexing, Per Arrangement

		<u>Monthly Rate</u>			
		DS4 to <u>DS1</u>	DS3 to <u>DS1</u>	DS2 to <u>DS1</u>	DS1C to <u>DS1</u>
Consolidated Communications of Maine Company					
China Study Area		ICB	\$557.06 (I)	ICB	ICB
Northland / Sidney Combined Study Area		ICB	\$557.06	ICB	ICB
Maine / Standish Combined Study Area		ICB	\$668.47	ICB	ICB
Consolidated Communications of Northland Company (VT)		ICB	\$557.06 (I)	ICB	ICB
		<u>Monthly Rate</u>			
			DSO to Subrates Up to 20 <u>2.4 Kbps</u>	DSO to Subrates Up to 10 <u>4.8 Kbps</u>	DSO to Subrates Up 50 <u>9.6 Kbps</u>
	<u>DS1 to Voice**</u>	<u>DS1 to DSO</u>			
Consolidated Communications of Maine Company					
China Study Area	\$215.07	\$215.07	\$458.04	\$311.23	\$275.99 (I)
Northland / Sidney Combined Study Area	\$215.07	\$215.07	\$458.04	\$311.23	\$275.99
Maine / Standish Combined Study Area	\$258.08	\$258.08	\$549.65	\$373.48	\$331.19
Consolidated Communications of Northland Company (VT)					
	\$215.07	\$215.07	\$458.04	\$311.23	\$275.99 (I)

** A channel of this DS1 to the Hub can be used for Digital Data Service.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17

17.3.8 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

	<u>Monthly Rate</u>	
	(2)	(3)
	Automatic Loop Transfer Per <u>Arrangement</u>	Transfer Arrangement (Key Activated** or Dial- Up***) Per 4 Port Arrangement Incl. Control Channel <u>Termination****</u>
Consolidated Communications of Maine Company		(C)
China Study Area	\$168.69	\$183.66
Northland / Sidney Combined Study Area	\$168.69	\$183.66
Maine / Standish Combined Study Area	\$202.43	\$220.63
Consolidated Communications of Northland Company (VT)	\$168.69	\$183.66 (C)

- * An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer designated premises.
- ** The Key Activated control channel is rated as a Metallic Channel Termination and Channel Mileage, if applicable.
- *** The Dial-Up option requires the customer to purchase the Controller Arrangement from Section 13.3.4, preceding.
- **** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customer designated premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer designated premises serving wire center.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.8 High Capacity Service (Cont'd)

(E) Network Channel Terminating Equipment (NCTE), Per Termination#

Monthly Rate

	<u>1.544 Mbps</u>	<u>Automatic Loop Transfer</u>	
Consolidated Communications of Maine Company			(C)
China Study Area	\$95.67	\$384.37	
Northland / Sidney Combined Study Area	\$95.67	\$384.37	
Maine / Standish Combined Study Area	\$114.80	\$461.24	
Consolidated Communications of Northland Company (VT)	\$95.67	\$384.37	(C)

(F) DSL Access Service Connection

	<u>Monthly Rate Per 1.544 Mbps</u>	<u>Nonrecurring Charge Per Mbps</u>	<u>Monthly Rate Per Mbps</u>	<u>Nonrecurring Charge Per Mbps</u>	
Consolidated Communications of Maine Company					(C)
China Study Area	\$219.81	\$1,526.55	\$450.00	\$650.00	
Northland / Sidney Combined Study Area	\$219.81	\$1,526.55	\$450.00	\$650.00	
Maine / Standish Combined Study Area	\$263.77	\$1,831.86	\$450.00	\$650.00	
Consolidated Communications of Northland Company (VT)	\$219.81	\$1,526.55	\$450.00	\$650.00	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.9 Synchronous Optical Channel Service

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11, preceding.

(A) Channel Termination, Per Termination

(1) Non-End User Channel Termination

	<u>Monthly Rate</u>			
	OC3/OC3C 155.52 <u>Mbps</u>	OC12 622.08 <u>Mbps</u>	Nonrecurring Charge <u>All</u>	
Consolidated Communications of Maine Company				
China Study Area	\$2,490.37	\$2,599.45	\$396.00	(I)
Northland / Sidney Combined Study Area	\$2,490.37	\$2,599.45	\$396.00	
Maine / Standish Combined Study Area	\$2,988.44	\$3,118.65	\$396.00	
Consolidated Communications of Northland Company (VT)	\$2,490.37	\$2,599.45	\$396.00	(I)

(2) End User Channel Termination

(a) Competitive Serving Wire Center

	<u>Monthly Rate</u>			
	OC3/OC3C 155.52 <u>Mbps</u>	OC12 622.08 <u>Mbps</u>	Nonrecurring Charge <u>All</u>	
Consolidated Communications of Maine Company				
China Study Area	\$2,490.37	\$2,599.45	\$396.00	(I)
Northland / Sidney Combined Study Area	\$2,490.37	\$2,599.45	\$396.00	
Maine / Standish Combined Study Area	\$2,988.44	\$3,118.65	\$396.00	
Consolidated Communications of Northland Company (VT)	\$2,490.37	\$2,599.45	\$396.00	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.9 Synchronous Optical Channel Service (Cont'd)

(B) Channel Mileage Facility, Per Mile

	<u>Monthly Rate</u>		
	OC3/OC3C	OC12	
	155.52	622.08	
	<u>Mbps</u>	<u>Mbps</u>	
Consolidated Communications of Maine Company			
China Study Area	\$170.89	\$214.48	(I)
Northland / Sidney Combined Study Area	\$170.89	\$214.48	
Maine / Standish Combined Study Area	\$205.06	\$246.38	
Consolidated Communications of Northland Company (VT)	\$170.89	\$214.48	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.9 Synchronous Optical Channel Service (Cont'd)

(C) Channel Mileage Termination, Per Termination

	<u>Monthly Rate</u>		
	OC3/OC3C	OC12	
	155.52	622.08	
	<u>Mbps</u>	<u>Mbps</u>	
Consolidated Communications of Maine Company			
China Study Area	\$635.71	\$1,384.14	(I)
Northland / Sidney Combined Study Area	\$635.71	\$1,384.14	
Maine / Standish Combined Study Area	\$762.85	\$1,660.97	
Consolidated Communications of Northland Company (VT)	\$635.71	\$1,384.14	(I)

(D) Channel Mileage Termination, Per Termination

	<u>Percentage</u>
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.9 Synchronous Optical Channel Service (Cont'd)

(E) Optional Features and Functions

(1) Customer Node, Per Node

	<u>Monthly Rate</u>			
	OC3/OC3C	OC12	Nonrecurring	
	155.52	622.08	Charge	
	<u>Mbps</u>	<u>Mbps</u>	<u>All</u>	
Consolidated Communications of Maine Company				
China Study Area	\$578.27	\$1,669.99	\$704.00	(I)
Northland / Sidney Combined Study Area	\$578.27	\$1,669.99	\$704.00	
Maine / Standish Combined Study Area	\$693.92	\$2,004.68	\$704.00	
Consolidated Communications of Northland Company (VT)	\$578.27	\$1,669.99	\$704.00	(I)

Customer Premises Port, Per Port

	OC3/OC3C	STS-1	DS3	Nonrecurring	
	155.52	51.48	44.736	Charge	
	<u>Mbps</u>	<u>Mbps</u>	<u>Mbps</u>	<u>STS-1/DS3</u>	
Consolidated Communications of Maine Company					
China Study Area	\$175.22	\$227.81	\$227.81	\$704.00	(I)
Northland / Sidney Combined Study Area	\$175.22	\$227.81	\$227.81	\$704.00	
Maine / Standish Combined Study Area	\$210.27	\$273.37	\$273.37	\$704.00	
Consolidated Communications of Northland Company (VT)	\$175.22	\$227.81	\$227.81	\$704.00	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.3 Special Access Service (Cont'd)

17.3.9 Synchronous Optical Channel Service (Cont'd)

(E) Optional Features and Functions (Cont'd)

Customer Premises Port, Per Port

	Monthly Rate DS1 1.544 <u>Mbps</u>	Nonrecurring Charge <u>DS1</u>	
Consolidated Communications of Maine Company			
China Study Area	\$58.40	\$704.00	(I)
Northland / Sidney Combined Study Area	\$58.40	\$704.00	
Maine / Standish Combined Study Area	\$70.08	\$704.00	
Consolidated Communications of Northland Company (VT)	\$58.40	\$704.00	(I)

(2) Add/Drop Multiplexing Central Office Port, Per Port

	<u>Monthly Rate</u>			
	OC3/OC3C 155.52 <u>Mbps</u>	DS3 44.736 <u>Mbps</u>	DS1 1.544 <u>Mbps</u>	
Consolidated Communications of Maine Company				
China Study Area	\$175.22	\$116.82	\$46.73	(I)
Northland / Sidney Combined Study Area	\$175.22	\$116.82	\$46.73	
Maine / Standish Combined Study Area	\$210.27	\$140.18	\$56.08	
Consolidated Communications of Northland Company (VT)	\$175.22	\$116.82	\$46.73	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.3 Special Access Service (Cont'd)17.3.9 Synchronous Optical Channel Service (Cont'd)

Regulations concerning Synchronous Optical Channel Service are set forth in Section 7.11, preceding.

(E) Optional Features and Functions (Cont'd)

(3) Shared SONET Ring Interoffice Transport Per Channel Mileage Facility

(4) DSL Access Service Connection

		(3)	(3)	(4) OC3/OC3C 155.52 Mbps	(4) Nonrecurring Charge
		<u>OC3/</u> <u>OC3C</u>	<u>OC12</u>		
Consolidated Communications of Maine Company	(C)				
China Study Area		ICB	ICB	\$2,674.51	\$1,200.00
Northland / Sidney Combined Study Area		ICB	ICB	\$2,674.51	\$1,200.00
Maine / Standish Combined Study Area		ICB	ICB	\$3,209.41	\$1,200.00
Consolidated Communications of Northland Company (VT)	(C)	ICB	ICB	\$2,674.51	\$1,200.00

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.4 Other Services17.4.1 Access Ordering

	<u>Charge</u>	<u>Tariff Section Reference</u>
(A) <u>Access Order Charge</u> Per order	\$76.00	5.4.1
(B) <u>Service Date Change Charge</u> A Service Date Change Charge will apply, on a per order per occurrence basis, for each service date changed. The Access Order Charge as specified in 17.4.1(A) preceding does not apply. The applicable charge is: Service Date Change Charge, per order	\$60.00	5.4.3
(C) <u>Design Change Charge</u> The Design Change Charge will apply on a per order per occurrence basis, for each order requiring design change. The applicable charge is Design Change Charge, per order	\$84.00	5.4.3
(D) <u>Miscellaneous Service Order Charge</u> Per Occurrence	\$123.00	5.4.2

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.4 Other Services (Cont'd)17.4.2 Additional Engineering

	Additional Engineering <u>Periods</u>	Each Half Hour or Fraction <u>Thereof</u>	Tariff Section <u>Reference</u>
(A)	Basic Time per engineer normally scheduled working hours	\$31.03	13.1
(B)	Overtime per engineer outside of normally scheduled working hours	\$46.55	13.1
(C)	Premium Time outside of scheduled work day, per engineer	\$62.06	13.1

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.4 Other Services (Cont'd)17.4.3 Additional Labor

	<u>Additional Labor Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
(A)	Installation or Repair		
	- Overtime, outside of normally scheduled working hours on a scheduled work day, per technician	\$47.57*	13.2.1 & 13.2.2
	- Premium Time, outside of scheduled work day, per technician	\$63.42*	13.2.1 & 13.2.2
(B)	Stand by		
	- Basic time, normally scheduled working hours, per technician	\$21.18*	13.2.3
	- Overtime, outside of normally scheduled working hours on a scheduled work day, per technician	\$31.77*	13.2.3
	- Premium Time, outside of scheduled work day, per technician	\$42.36*	13.2.3

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.3 Additional Labor (Cont'd)

Additional Labor Periods

Each Half Hour or Fraction Thereof

	<u>Installation and Repair Technician</u>	<u>Central Office Maintenance Technician</u>	<u>Tariff Section Reference</u>
(C) Testing and Maintenance with Other Telephone Companies, or Other Labor			
- Basic Time per Technician normally Scheduled working Hours	\$31.71	\$34.66	13.2.4 * 13.2.5
- Overtime per Technician outside Of normally scheduled Working hours on a Scheduled work day	\$47.57*	\$51.99*	13.2.4 & 13.2.5
- Premium Time per Technician outside of Scheduled work day	\$63.42*	\$69.32*	13.2.4 & 13.2.5

* A call out of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.4 Miscellaneous Services

(A) Additional Cooperative Acceptance Testing – Switched Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* And Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.1(A)(1)

(B) Additional Automatic Testing – Switched Access

To First Point of Switching

<u>Additional Tests</u>	<u>Per Test Per Transmission Path</u>	
Gain-Slope Tests	\$2.89	13.3.1(A)(2)
C-Notched Noise Tests	\$2.89	13.3.1(A)(2)
1004 Hz Loss**	\$2.89	13.3.1(A)(2)
C-Message Noise**	\$2.89	13.3.1(A)(2)
Balance (return loss)**	\$2.89	13.3.1(A)(2)

* A call of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

** 1004 Hz Loss, C-Message Noise and Balance are non-chargeable routine tests, however, they may be requested on an as needed or more than routine scheduled basis, in which case the charges herein apply.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(C) Additional Manual Testing – Switched AccessTo First Point of Switching

<u>Additional Tests</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Gain-Slope, C-Notched Noise and Any other agreed to Tests, per Technician	See the Rates for Additional Labor as set forth in 17.4.3(C) preceding	13.3.1(A)(3)

(D) Additional Cooperative Acceptance Testing – Special Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.1(B)(1)

(E) Additional Manual Testing – Special Access

<u>Testing Periods</u>	<u>Each Half Hour or Fraction Thereof</u>	<u>Tariff Section Reference</u>
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.1(B)(2)

* A call of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.4 Miscellaneous Services (Cont'd)

(F) Maintenance of Service

<u>Maintenance of Service Periods</u>	Each Half Hour or Fraction Thereof	Tariff Section Reference
Basic Time, Overtime* and Premium Time*	See the rates for Additional Labor as set forth in 17.4.3(C) preceding.	13.3.2

(G) Telecommunications Service Priority

	Nonrecurring <u>Charge</u>	Tariff Section Reference
Per service arranged	\$54.63	13.3.3

(H) Controller Arrangement

	Monthly <u>Rate</u>	
Per Arrangement	\$100.00	13.3.4(A)

* A call of a Telephone Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(I) Presubscribed Interexchange Carrier (PIC) Change Charge*

		Nonrecurring <u>Charge</u>	Tariff Section <u>Reference</u>
	Per Telephone Exchange Service Line or trunk for each interLATA PIC change:		13.4(J)
(1)	Submitted using manual methods	\$5.50	
(2)	Submitted using electronic methods	\$1.25	
(3)	Submitted using manual methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$2.75	
(4)	Submitted using electronic methods when both the interLATA PIC and intraLATA PIC selections are changed simultaneously	\$0.63	

* This charge is generally billed to the end user who is the subscriber to the Telephone Exchange Service. In those instances where the IC both requests the PIC change, and requests the associated charge be billed to it, the Telephone Company will bill the IC. In the event the subscriber is incorrectly presubscribed due to miss-assignment on the part of the Telephone Company, no charge shall apply. In the event the subscriber denies requesting a PIC change, the Telephone Company will credit the subscriber's account for the PIC Change Charge associated with the alleged unauthorized change, if such charge was billed to the subscriber. The Telephone Company will then bill the IC responsible for the alleged unauthorized change a PIC Change Charge to return the subscriber to its previous authorized carrier and, if initially billed to the subscriber, the PIC Change Charge for the alleged unauthorized change.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.4 Other Services (Cont'd)17.4.4 Miscellaneous Services (Cont'd)(J) Blocking Service*

	Nonrecurring <u>Charge</u>	Tariff Section <u>Reference</u>
-Per exchange service line, or trunk and/ or per Feature Group A Switched Access Line	\$11.20	13.8

(K) Billing Name and Address Service

- Per BNA Order	\$50.94	13.9.4(A)
- Per BNA Record	\$0.33	13.9.4(A)
- Optional Magnetic Tape Charge-Per Magnetic Tape	\$91.44	13.9.4(B)
- Optional Format Programming Charge		
- Per each half hour or fraction thereof	\$37.20	13.9.4(C)

(L) Originating Line Screening (OLS) Service

- Per exchange service line	\$7.95	13.10
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(M) Coin Supervision Additive Service

	Monthly <u>Rate</u>	
- Per exchange service line	\$2.21	13.12

* Blocking access to 900 Service is offered to all subscribers at no charge

- (a) from November 1, 1993 through December 31, 1993 and
 (b) at the time telephone service is established at a new number and for 60 days thereafter.

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ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.4 Miscellaneous Services (Cont'd)

(N) LNP End User Charge

- (1) The Telephone Companies listed below will bill the rates listed for the identified study areas over a 60-month period as specified for each rate, except as indicated below

	<u>State</u>	<u>Study Area Number</u>	<u>Effective Date of Rate</u>	<u>Termination Date of Rate (5 Years)</u>	
Consolidated Communications of Maine Company					(C)
China Study Area	ME	100004	4/1/08	3/31/13	
Northland / Sidney* Combined Study Area	ME	103313	4/1/08	3/30/12	
Maine / Standish Combined Study Area	ME	100025	3/1/08	2/28/13	
Consolidated Communications of Northland Company (VT)	VT	143331	3/1/07	2/28/12	(C)
	<u>End User Rate Per Line</u>	<u>Rate Per PBX Trunk</u>	<u>Rate Per ISDN PRI</u>		
Consolidated Communications of Maine Company					(C)
China Study Area	\$0.28	\$2.52	\$1.40		
Northland / Sidney Combined Study Area	\$0.07	\$0.63	\$0.35		
Maine / Standish Combined Study Area	\$0.17	\$1.53	\$0.85		
Consolidated Communications of Northland Company (VT)	\$0.12	\$1.08	\$0.60		(C)

* LNP End User Charges for Sidney Telephone Co. are effective for only a 48-month period beginning April 1, 2008.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.5 Special Federal Government Access Services

(A)	<u>Voice Grade Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each T-3 Conditioning,	ICB	ICB	ICB
	Additional Conditioning, Per service termination	ICB	ICB	ICB
	Type II, each G-1 Conditioning,	ICB	ICB	ICB
	Type III, each G-2 Conditioning,	ICB	ICB	ICB
	Additional Conditioning, Per service termination	ICB	ICB	ICB
	Type IV, each G-3 Conditioning,	ICB	ICB	ICB
	Additional Conditioning, Per service termination	ICB	ICB	ICB
(B) <u>Wideband Digital Special Access Service</u>				
	<u>Wideband Secure Communications</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	<u>Termination Charges</u>
	Type I, each	ICB	ICB	ICB
	Type II, each	ICB	ICB	ICB
	Type III, each	ICB	ICB	ICB

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.6 Special Facilities Routing of Access Services

(A) Diversity

For each service provided in accordance with 11.1.1 preceding, the rates and charges will be developed on an individual case basis.

(B) Avoidance

For each service provided in accordance with 11.1.2 preceding, the rates and charges will be developed on an individual case basis.

(C) 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.

(D) Cable-Only Facilities

For each service provided in accordance with 11.1.4 preceding, the rates and charges will be developed on an individual case basis.

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.4 Other Services (Cont'd)17.4.7 Public Packet Data Network(A) Frame Relay Access Service

Regulations concerning Frame Relay Service are set forth in Section 16.1, preceding.

Connections

(1) Frame Relay Access Connection (FRAC), Per FRAC

	Monthly 56.0 / 64.0 Kbps	Nonrecurring Charge	Monthly 1.544 Mbps	
Consolidated Communications of Maine Company				
China Study Area	\$160.12	\$379.50	\$397.01	(I)
Northland / Sidney Combined Study Area	\$160.12	\$379.50	\$397.01	
Maine / Standish Combined Study Area	\$192.14	\$379.50	\$476.41	
Consolidated Communications of Northland Company (VT)	\$160.12	\$379.50	\$397.01	(I)
	Nonrecurring Charge	Monthly 44.736 Mbps	Nonrecurring Charge	
Consolidated Communications of Maine Company				
China Study Area	\$379.50	\$3,164.37	\$379.50	(I)
Northland / Sidney Combined Study Area	\$379.50	\$3,164.37	\$379.50	
Maine / Standish Combined Study Area	\$379.50	\$3,797.24	\$379.50	
Consolidated Communications of Northland Company (VT)	\$379.50	\$3,164.37	\$379.50	(I)

(2) Frame Relay Inter-network Connection (FRIC), per FRIC

	Monthly Rate 1.544 Mbps	Nonrecurring Charge	Monthly Rate 44.736 Mbps	Nonrecurring Charge	
Consolidated Communications of Maine Company					
China Study Area	\$397.01	\$379.50	\$3,164.37	\$379.50	(I)
Northland / Sidney Combined Study Area	\$397.01	\$379.50	\$3,164.37	\$379.50	
Maine / Standish Combined Study Area	\$476.41	\$379.50	\$3,797.24	\$379.50	
Consolidated Communications of Northland Company (VT)	\$397.01	\$379.50	\$3,164.37	\$379.50	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(A) Frame Relay Access Service (Cont'd)

Regulations concerning Frame Relay Service are set forth in Section 16.1, preceding.

Connections

(3) End User Port, Per Port

	Monthly Rate	Monthly Rate	Monthly Rate	Monthly Rate	
	56.0	64.0	1.544	44.736	
Consolidated Communications of Maine Company	<u>Mbps</u>	<u>kbps</u>	<u>Mbps</u>	<u>Mbps</u>	
China Study Area	\$81.73	\$81.73	\$190.32	\$1,331.14	(I)
Northland / Sidney Combined Study Area	\$81.73	\$81.73	\$190.32	\$1,331.14	
Maine / Standish Combined Study Area	\$98.08	\$98.08	\$228.38	\$1,597.38	
Consolidated Communications of Northland Company (VT)	\$81.73	\$81.73	\$190.32	\$1,331.14	(I)

(4) Inter-network Customer Port, Per Port

	Monthly Rate	Monthly Rate	
	1.544	44.736	
Consolidated Communications of Maine Company	<u>Mbps</u>	<u>Mbps</u>	
China Study Area	\$190.32	\$1,331.14	(I)
Northland / Sidney Combined Study Area	\$190.32	\$1,331.14	
Maine / Standish Combined Study Area	\$228.38	\$1,597.38	
Consolidated Communications of Northland Company (VT)	\$190.32	\$1,331.14	(I)

(5) Optional Rate Plan, Term Discounts

	<u>Percentage</u>
36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(A) Frame Relay Access Service (Cont'd)

(6) Permanent Virtual Connections (PVCs)

(a) Standard CIR

	<u>Monthly Rate</u>			
	8/16	28/32	56/64	(T)
Consolidated Communications of Maine Company	<u>kbps</u>	<u>kbps</u>	<u>kbps</u>	
China Study Area	\$5.83	\$7.01	\$8.17	(I)
Northland / Sidney Combined Study Area	\$5.83	\$7.01	\$8.17	
Maine / Standish Combined Study Area	\$7.00	\$8.40	\$9.81	
Consolidated Communications				
of Northland Company (VT)	\$5.83	\$7.01	\$8.17	(I)

	<u>Monthly Rate</u>						
	128	192	256	384	512	768	
Consolidated Communications of Maine Company	<u>kbps</u>	<u>kbps</u>	<u>kbps</u>	<u>kbps</u>	<u>kbps</u>	<u>kbps</u>	
China Study Area	\$10.49	\$14.03	\$16.36	\$23.35	\$32.68	\$42.04	(I)
Northland / Sidney Combined Study Area	\$10.49	\$14.03	\$16.36	\$23.35	\$32.68	\$42.04	
Maine / Standish Combined Study Area	\$12.60	\$16.83	\$19.62	\$28.03	\$39.22	\$50.45	
Consolidated Communications							
of Northland Company (VT)	\$10.49	\$14.03	\$16.36	\$23.35	\$32.68	\$42.04	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(A) Frame Relay Access Service (Cont'd)

(6) Permanent Virtual Connections (PVCs) (Cont'd)

(b) Extended CIR

	<u>Monthly Rate</u>			
	8/16	28/32	56/64	(T)
Consolidated Communications of Maine Company	<u>kbps</u>	<u>kbps</u>	<u>kbps</u>	
China Study Area	\$7.01	\$8.17	\$16.32	(I)
Northland / Sidney Combined Study Area	\$7.01	\$8.17	\$16.32	
Maine / Standish Combined Study Area	\$8.40	\$9.81	\$19.59	
Consolidated Communications of Northland Company (VT)	\$7.01	\$8.17	\$16.32	(I)

	<u>Monthly Rate</u>						
	128	192	256	384	512	768	
Consolidated Communications of Maine Company	<u>kbps</u>	<u>kbps</u>	<u>kbps</u>	<u>kbps</u>	<u>kbps</u>	<u>kbps</u>	
China Study Area	\$32.64	\$48.96	\$65.27	\$97.91	\$130.55	\$195.82	(I)
Northland / Sidney Combined Study Area	\$32.64	\$48.96	\$65.27	\$97.91	\$130.55	\$195.82	
Maine / Standish Combined Study Area	\$39.16	\$58.75	\$78.33	\$117.49	\$156.66	\$234.98	
Consolidated Communications of Northland Company (VT)	\$32.64	\$48.96	\$65.27	\$97.91	\$130.55	\$195.82	(I)

Nonrecurring Charge

(7)	PVC Installation Charge	\$70.40
(8)	PVC Rearrangement Charge	\$35.20

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.4 Other Services (Cont'd)17.4.7 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service

Regulations concerning Asynchronous Transfer Mode Cell Relay Access Service (ATM-CRS) are set forth in Section 16.2, preceding.

(1) Ports

(a) Per Basic UNI or NNI Port

	Monthly Rate 1.544	Nonrecurring	Monthly Rate 44.736	Nonrecurring	
	<u>Mbps</u>	<u>Charge</u>	<u>Mbps</u>	<u>Charge</u>	
Consolidated Communications of Maine Company					
China Study Area	\$521.81	\$429.00	\$2,898.82	\$429.00	(I)
Northland / Sidney Combined Study Area	\$521.81	\$429.00	\$2,898.82	\$429.00	
Maine / Standish Combined Study Area	\$626.16	\$429.00	\$3,478.59	\$429.00	
Consolidated Communications					
of Northland Company (VT)	\$521.81	\$429.00	\$2,898.82	\$429.00	(I)
	Monthly Rate 155.52	Nonrecurring	Monthly Rate 622.08	Nonrecurring	
	<u>Mbps</u>	<u>Charge</u>	<u>Mbps</u>	<u>Charge</u>	
Consolidated Communications of Maine Company					
China Study Area	\$4,491.78	\$429.00	\$6,520.04	\$429.00	(I)
Northland / Sidney Combined Study Area	\$4,491.78	\$429.00	\$6,520.04	\$429.00	
Maine / Standish Combined Study Area	\$5,390.14	\$429.00	\$7,824.05	\$429.00	
Consolidated Communications					
of Northland Company (VT)	\$4,491.78	\$429.00	\$6,520.04	\$429.00	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(1) Ports (Cont'd)

(b) Per Ethernet-based UNI or NNI Port

	Monthly Rate 10 Mbps	Nonrecurring Charge	Monthly Rate 100 Mbps	Nonrecurring Charge	
Consolidated Communications of Maine Company					
China Study Area	\$803.69	\$1,958.00	\$1,145.89	\$1,958.00	(I)
Northland / Sidney Combined Study Area	\$803.69	\$1,958.00	\$1,145.89	\$1,958.00	
Maine / Standish Combined Study Area	\$964.44	\$1,958.00	\$1,375.07	\$1,958.00	
Consolidated Communications of Northland Company (VT)	\$803.69	\$1,958.00	\$1,145.89	\$1,958.00	(I)
	Monthly Rate 1 Gbps	Nonrecurring Charge			
Consolidated Communications of Maine Company					
China Study Area	\$2,932.91	\$3,556.30			(I)
Northland / Sidney Combined Study Area	\$2,932.91	\$3,556.30			
Maine / Standish Combined Study Area	\$3,519.49	\$3,556.30			
Consolidated Communications of Northland Company (VT)	\$2,932.91	\$3,556.30			(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.4 Other Services (Cont'd)17.4.7 Public Packet Data Network (Cont'd)(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths

(a) Path Charge, Per Path

	Monthly Rate	Nonrecurring Charge	
Consolidated Communications of Maine Company			
China Study Area	\$5.83	\$95.70	(I)
Northland / Sidney Combined Study Area	\$5.83	\$95.70	
Maine / Standish Combined Study Area	\$7.00	\$95.70	
Consolidated Communications of Northland Company (VT)	\$5.83	\$95.70	(I)

(b) Capacity Charge, Per Megabit of Capacity, per Path

Traffic Routing Prioritization Parameter

Monthly Rate
Path size 1 to 50 Mbps

	<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>	
Consolidated Communications of Maine Company					
China Study Area	\$29.16	\$23.33	\$17.51	\$14.59	(I)
Northland / Sidney Combined Study Area	\$29.16	\$23.33	\$17.51	\$14.59	
Maine / Standish Combined Study Area	\$34.99	\$28.00	\$21.01	\$17.90	
Consolidated Communications of Northland Company (VT)	\$29.16	\$23.33	\$17.51	\$14.59	(I)

Monthly Rate
Path size 51 to 150 Mbps

	<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>	
Consolidated Communications of Maine Company					
China Study Area	\$26.24	\$20.42	\$14.59	\$11.66	(I)
Northland / Sidney Combined Study Area	\$26.24	\$20.42	\$14.59	\$11.66	
Maine / Standish Combined Study Area	\$31.48	\$24.50	\$17.50	\$13.99	
Consolidated Communications of Northland Company (VT)	\$26.24	\$20.42	\$14.59	\$11.66	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(2) Virtual Paths (Cont'd)

(b) Capacity Charge, Per Megabit of Capacity, per Path (Cont'd)

Traffic Routing Prioritization Parameter
Monthly Rate
Path size Over 150 Mbps

	<u>CBR</u>	<u>VBR-rt</u>	<u>VBR-nrt</u>	<u>UBR</u>	
Consolidated Communications of Maine Company					
China Study Area	\$20.42	\$14.59	\$11.66	\$8.75	(I)
Northland / Sidney Combined Study Area	\$20.42	\$14.59	\$11.66	\$8.75	
Maine / Standish Combined Study Area	\$24.50	\$17.50	\$13.99	\$10.49	
Consolidated Communications					
of Northland Company (VT)	\$20.42	\$14.59	\$11.66	\$8.75	(I)

(3) Virtual Circuit Channels, Per Virtual Circuit Channel

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company			
China Study Area	\$5.83	\$95.70	(I)
Northland / Sidney Combined Study Area	\$5.83	\$95.70	
Maine / Standish Combined Study Area	\$7.00	\$95.70	
Consolidated Communications			
of Northland Company (VT)	\$5.83	\$95.70	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(4) Optional Features and Functions

(a) DSL Access Service Connection

(i) Per Basic UNI or NNI Port Equipped

<u>Port Speed</u> <u>Charge</u>	<u>Nonrecurring</u>
1.544 Mbps	\$450.00
44.736 Mbps	\$650.00
155.52 Mbps	\$1,200.00
622.08 Mbps	\$1,608.00

(ii) Per Ethernet-based UNI or NNI Port Equipped

<u>Port Speed</u> <u>Charge</u>	<u>Nonrecurring</u>
10 Mbps	\$450.00
100 Mbps	\$650.00
1 Gbps	\$1,608.00

(iii) Per 1 Mbps DSL VCC

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>	
Consolidated Communications of Maine Company			(C)
China Study Area	\$31.81	\$87.00	
Northland / Sidney Combined Study Area	\$31.81	\$87.00	
Maine / Standish Combined Study Area	\$38.17	\$87.00	
Consolidated Communications			
of Northland Company (VT)	\$31.81	\$87.00	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(B) Asynchronous Transfer Mode Cell Relay Access Service (Cont'd)

(4) Optional Features and Functions

(a) DSL Access Service Connection

(iv) Per MM-VCC

	Monthly Rate Per 1 Mbps Increment	Monthly Rate Per 4 Mbps Increment	Nonrecurring Charge	
Consolidated Communications of Maine Company				(C)
China Study Area	\$1.64	\$3.18	\$7.00	
Northland / Sidney Combined Study Area	\$1.64	\$3.18	\$7.00	
Maine / Standish Combined Study Area	\$1.97	\$3.82	\$7.00	
Consolidated Communications of Northland Company (VT)	\$1.64	\$3.18	\$7.00	(C)

(v) Per MM-VCC Design Change

	Monthly Rate	Nonrecurring Charge	
Consolidated Communications of Maine Company			(C)
China Study Area	ICB	\$6.00	
Northland / Sidney Combined Study Area	ICB	\$6.00	
Maine / Standish Combined Study Area	ICB	\$6.00	
Consolidated Communications of Northland Company (VT)	ICB	\$6.00	(C)

(5) ATM-CRS Term Discount Plan

36 Months	10%
60 Months	20%

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(C) Ethernet Transport Service

Regulations concerning Ethernet Transport Service (ETS) are set forth in Section 16.3, preceding.

(1) ETS Channel Terminations

- (a) Per termination when customer designated premises located within 300 feet of ETS SWC

	Monthly Rate				Nonrecurring Charge – All	
	10 Mbps	20 Mbps	50 Mbps	100 Mbps		
Consolidated Communications of Maine Company						
China Study Area	\$239.12	\$262.45	\$314.94	\$349.93	\$324.50	(I)
Northland / Sidney Combined Study Area	\$119.90	\$262.45	\$314.94	\$349.93	\$324.50	
Maine / Standish Combined Study Area	\$286.95	\$314.94	\$377.93	\$419.91	\$324.50	
Consolidated Communications of Northland Company (VT)	\$239.12	\$262.45	\$314.94	\$349.93	\$324.50	(I)

	Monthly Rate		Nonrecurring Charge – All	
	500 Mbps	1 Gbps		
Consolidated Communications of Maine Company				
China Study Area	\$653.21	\$869.00	\$486.75	(I)
Northland / Sidney Combined Study Area	\$653.21	\$869.00	\$486.75	
Maine / Standish Combined Study Area	\$783.86	\$1,042.80	\$486.75	
Consolidated Communications of Northland Company (VT)	\$653.21	\$869.00	\$486.75	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(C) Ethernet Transport Service (Cont'd)

(1) ETS Channel Terminations (Cont'd)

- (b) Per termination when customer designated premises located more than 300 feet from ETS SWC

	Monthly Rate				Nonrecurring Charge – All	
	10 Mbps	20 Mbps	50 Mbps	100 Mbps		
Consolidated Communications of Maine Company						
China Study Area	\$320.77	\$349.93	\$425.76	\$466.58	\$324.50	(I)
Northland / Sidney Combined Study Area	\$320.77	\$349.93	\$425.76	\$466.58	\$324.50	
Maine / Standish Combined Study Area	\$384.92	\$419.91	\$510.91	\$559.89	\$324.50	
Consolidated Communications of Northland Company (VT)	\$320.77	\$349.93	\$425.76	\$466.58	\$324.50	(I)

	Monthly Rate		Nonrecurring Charge – All	
	500 Mbps	1 Gbps		
Consolidated Communications of Maine Company				
China Study Area	\$874.84	\$1,166.45	\$486.75	(I)
Northland / Sidney Combined Study Area	\$874.84	\$1,166.45	\$486.75	
Maine / Standish Combined Study Area	\$1,049.81	\$1,399.74	\$486.75	
Consolidated Communications of Northland Company (VT)	\$874.84	\$1,166.45	\$486.75	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(C) Ethernet Transport Service (Cont'd)

(2) Ports

(a) Per ETS Basic Port

	Monthly Rate				Nonrecurring Charge – All	
	<u>10 Mbps</u>	<u>20 Mbps</u>	<u>50 Mbps</u>	<u>100 Mbps</u>		
Consolidated Communications of Maine Company						
China Study Area	\$262.45	\$291.61	\$320.77	\$349.93	\$284.90	(I)
Northland / Sidney Combined Study Area	\$131.65	\$291.61	\$320.77	\$349.93	\$284.90	
Maine / Standish Combined Study Area	\$314.94	\$349.93	\$384.92	\$419.91	\$284.90	
Consolidated Communications of Northland Company (VT)	\$262.45	\$291.61	\$320.77	\$349.93	\$284.90	(I)

	Monthly Rate		Nonrecurring Charge – All	
	<u>500 Mbps</u>	<u>1 Gbps</u>		
Consolidated Communications of Maine Company				
China Study Area	\$612.38	\$933.16	\$427.35	(I)
Northland / Sidney Combined Study Area	\$612.38	\$933.16	\$427.35	
Maine / Standish Combined Study Area	\$734.86	\$1,119.80	\$427.35	
Consolidated Communications of Northland Company (VT)	\$612.38	\$933.16	\$427.35	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(C) Ethernet Transport Service (Cont'd)

(2) Ports (Cont'd)

(b) Per ETS Interconnection Port

	Monthly Rate <u>44.736 Mbps</u>	Nonrecurring <u>Charge</u>	Monthly Rate <u>155.52 Mbps</u>	Nonrecurring <u>Charge</u>	
Consolidated Communications of Maine Company					
China Study Area	\$2,624.51	\$192.50	\$3,149.41	\$288.75	(I)
Northland / Sidney Combined Study Area	\$2,624.51	\$192.50	\$3,149.41	\$288.75	
Maine / Standish Combined Study Area	\$3,149.41	\$192.50	\$3,779.29	\$288.75	
Consolidated Communications of Northland Company (VT)	\$2,624.51	\$192.50	\$3,149.41	\$288.75	(I)

	<u>622.08 Mbps</u>	Nonrecurring <u>Charge</u>	
Consolidated Communications of Maine Company			
China Study Area	\$5,249.02	\$288.75	(I)
Northland / Sidney Combined Study Area	\$5,249.02	\$288.75	
Maine / Standish Combined Study Area	\$6,298.83	\$288.75	
Consolidated Communications of Northland Company (VT)	\$5,249.02	\$288.75	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(C) Ethernet Transport Service (Cont'd)

(3) ETS Ethernet Virtual Connections (EVCs)

(a) Per Intraswitch ETS EVC

	<u>5 Mbps</u>	<u>10 Mbps</u>	<u>20 Mbps</u>	<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company					(C)
China Study Area	\$0.00	\$0.00	\$0.00	\$205.00	
Northland / Sidney Combined Study Area	\$0.00	\$0.00	\$0.00	\$205.00	
Maine / Standish Combined Study Area	\$0.00	\$0.00	\$0.00	\$205.00	
Consolidated Communications of Northland Company (VT)	\$0.00	\$0.00	\$0.00	\$205.00	(C)
	<u>50 Mbps</u>	<u>100 Mbps</u>		<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company					(C)
China Study Area	\$0.00	\$0.00		\$205.00	
Northland / Sidney Combined Study Area	\$0.00	\$0.00		\$205.00	
Maine / Standish Combined Study Area	\$0.00	\$0.00		\$205.00	
Consolidated Communications of Northland Company (VT)	\$0.00	\$0.00		\$205.00	(C)
	<u>500 Mbps</u>	<u>1 Gbps</u>		<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company					(C)
China Study Area	\$0.00	\$0.00		\$307.50	
Northland / Sidney Combined Study Area	\$0.00	\$0.00		\$307.50	
Maine / Standish Combined Study Area	\$0.00	\$0.00		\$307.50	
Consolidated Communications of Northland Company (VT)	\$0.00	\$0.00		\$307.50	(C)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(C) Ethernet Transport Service (Cont'd)

(3) ETS Ethernet Virtual Connections (EVCs) (Cont'd)

(b) Per Interswitch ETS EVC

	<u>5 Mbps</u>	<u>10 Mbps</u>	<u>20 Mbps</u>	<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company					
China Study Area	\$93.31	\$174.97	\$349.93	\$225.50	(I)
Northland / Sidney Combined Study Area	\$93.31	\$174.97	\$349.93	\$225.50	
Maine / Standish Combined Study Area	\$111.98	\$209.96	\$419.91	\$225.50	
Consolidated Communications of Northland Company (VT)	\$93.31	\$174.97	\$349.93	\$225.50	(I)

	<u>50 Mbps</u>	<u>100 Mbps</u>	<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company				
China Study Area	\$489.91	\$781.52	\$225.50	(I)
Northland / Sidney Combined Study Area	\$489.91	\$781.52	\$225.50	
Maine / Standish Combined Study Area	\$587.88	\$937.82	\$225.50	
Consolidated Communications of Northland Company (VT)	\$489.91	\$781.52	\$225.50	(I)

	<u>500 Mbps</u>	<u>1 Gbps</u>	<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company				
China Study Area	\$2,682.83	\$4,665.80	\$338.25	(I)
Northland / Sidney Combined Study Area	\$2,682.83	\$4,665.80	\$338.25	
Maine / Standish Combined Study Area	\$3,219.40	\$5,598.97	\$338.25	
Consolidated Communications of Northland Company (VT)	\$2,682.83	\$4,665.80	\$338.25	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(C) Ethernet Transport Service (Cont'd)

(4) ETS Extended Ethernet Virtual Connections (E-EVCs)

(a) Per ETS E-EVC

	<u>5 Mbps</u>	<u>10 Mbps</u>	<u>20 Mbps</u>	<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company					
China Study Area	\$58.32	\$104.98	\$209.96	\$451.00	(I)
Northland / Sidney Combined Study Area	\$58.32	\$104.98	\$209.96	\$451.00	
Maine / Standish Combined Study Area	\$69.98	\$125.98	\$251.94	\$451.00	
Consolidated Communications of Northland Company (VT)	\$58.32	\$104.98	\$209.96	\$451.00	(I)
	<u>50 Mbps</u>	<u>100 Mbps</u>		<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company					
China Study Area	\$326.60	\$524.90		\$451.00	(I)
Northland / Sidney Combined Study Area	\$326.60	\$524.90		\$451.00	
Maine / Standish Combined Study Area	\$391.92	\$629.88		\$451.00	
Consolidated Communications of Northland Company (VT)	\$326.60	\$524.90		\$451.00	(I)
	<u>500 Mbps</u>	<u>1 Gbps</u>		<u>Nonrecurring Charge</u>	
Consolidated Communications of Maine Company					
China Study Area	\$1,691.35	\$2,916.12		\$676.50	(I)
Northland / Sidney Combined Study Area	\$1,691.35	\$2,916.12		\$676.50	
Maine / Standish Combined Study Area	\$2,029.62	\$3,499.34		\$676.50	
Consolidated Communications of Northland Company (VT)	\$1,691.35	\$2,916.12		\$676.50	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)

17.4 Other Services (Cont'd)

17.4.7 Public Packet Data Network (Cont'd)

(C) Ethernet Transport Service (Cont'd)

(5) ETS Interconnected Ethernet Virtual Connections (I-EVCs)

(a) Per ETS I-EVC

<u>Capacity</u>	<u>Monthly Charge</u>	<u>Nonrecurring Charge</u>	
5 Mbps	\$104.50	\$451.00	(I)
10 Mbps	\$192.50	\$451.00	
20 Mbps	\$385.00	\$451.00	
50 Mbps	\$605.00	\$451.00	
100 Mbps	\$935.00	\$451.00	
500 Mbps	\$2,915.00	\$676.50	
1 Gbps	\$4,950.00	\$676.50	(I)

ACCESS SERVICE

17. Rates and Charges – Consolidated Communications Companies (Cont'd)17.4 Other Services (Cont'd)17.4.7 Public Packet Data Network (Cont'd)(C) Ethernet Transport Service (Cont'd)(6) [Reserved for Future Use](7) ETS Term Discount Plan

<u>Term Commitment</u>	<u>Percentage</u>
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36 months	10%
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60 months	20%
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(8) ETS Volume Discount Plan

<u>Number of Committed ETS Port In-Service On Bill Date</u>	<u>Percentage</u>
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0 to 4	0%
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5 and above	10%
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ACCESS SERVICE

18. Special Construction18.1 Regulations18.1.1 Filing of Charges

Rates, charges and liabilities for special construction to provide facilities for use for one month or more are listed in Section 4.

Rates, charges and liabilities for special construction to provide facilities for use for one month or more are listed in Section 4.

18.1.2 Ownership of Facilities

The Telephone Company providing specially constructed facilities under the provisions of this tariff retains ownership of all such facilities.

18.1.3 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.

18.1.4 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.

18.1.5 Payments for Special Construction(A) Payment of Charges

All bills associated with special construction charges are due in accordance with the regulations in the appropriate service tariff.

(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.

ACCESS SERVICE

18. Special Construction (Cont'd)18.1 Regulations (Cont'd)18.1.5 Payments for Special Construction (Cont'd)

(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 services.

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 18.1.6(D)(1) 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.

18.1.6 Liabilities and Charges for Special Construction(A) General

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.

(B) Conditions Requiring Special Construction

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.

Transmittal No. 81

Issued: April 16, 2018

Effective: May 1, 2018

ACCESS SERVICE

18. Special Construction (Cont'd)18.1 Regulations (Cont'd)18.1.6 Liabilities and Charges for Special Construction (Cont'd)(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 revised when actual costs are available.

(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.

ACCESS SERVICE

18. Special Construction (Cont'd)18.1 Regulations (Cont'd)18.1.6 Liabilities and Charges for Special Construction (Cont'd)(D) Types of Liabilities and Charges (Cont'd)(1) Nonrecurring Charge (Cont'd)

(c) Optional Payment (Cont'd)

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.

(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 Access Tariffs 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

18. Special Construction (Cont'd)

18.1 Regulations (Cont'd)

18.1.6 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.

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.

ACCESS SERVICE

18. Special Construction (Cont'd)18.1 Regulations (Cont'd)18.1.6 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)Example Illustrating a 27-Year Average Account Life

<u>Maximum Termination Liability</u>	<u>Effective Date</u>	<u>Expiration Date</u>
\$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.

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.

ACCESS SERVICE

18. Special Construction (Cont'd)18.1 Regulations (Cont'd)18.1.6 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 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.

ACCESS SERVICE

18. Special Construction (Cont'd)18.1 Regulations (Cont'd)18.1.6 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.

ACCESS SERVICE

18. Special Construction (Cont'd)18.1 Regulations (Cont'd)18.1.6 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 under- utilization 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., $420 (70\% \text{ of } 600) - 400 = 20$. The total underutilization charge for the first 5 years would be \$200.00, or $\$2.00 \text{ per pair} \times 20 \text{ pairs} \times 5 \text{ years}$. If 420 pairs are in service at the end of the 6th year, there is no underutilization, i.e., $420 - 420 = 0$.

ACCESS SERVICE

18. Special Construction (Cont'd)

18.1 Regulations (Cont'd)

18.1.6 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 18.1.6.(D)(1)(d) 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 18.1.6.(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.

ACCESS SERVICE

18. Special Construction (Cont'd)

18.1 Regulations (Cont'd)

18.1.6 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.

ACCESS SERVICE

18. Special Construction (Cont'd)18.1 Regulations (Cont'd)18.1.7 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.

(2) Some Services Are Deferred When some services which will use the 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.

ACCESS SERVICE

18. Special Construction (Cont'd)18.2 Definitions

Actual Cost - The term "Actual Cost" denotes all costs charged against a specific case of special construction, including any appropriate taxes.

Annual Underutilization Liability - The term "Annual Underutilization Liability" denotes a per unit amount which may be billed annually if fewer services are in use utilizing specially constructed facilities at filed tariff rates than were originally specially constructed.

Estimated Cost - The term "Estimated Cost" denotes all estimated costs that will be incurred in providing a specific case of special construction, including any appropriate taxes.

Facilities - The term "Facilities" denotes any cable, poles, conduit, microwave or carrier equipment, wire center distribution frames, central office switching equipment, etc., utilized to provide interstate services.

Initial Liability Period - The term "Initial Liability Period" denotes the initial planning period during which the customer expects to place specially constructed facilities in service.

Installed Cost - The term "Installed Cost" denotes the total investment (estimated or actual) required by the Telephone Company to provide specially constructed facilities.

Maximum Termination Liability - The term "Maximum Termination Liability" denotes the maximum amount which may be billed if all services using specially constructed facilities are terminated prior to the expiration of the Maximum Termination Liability Period.

Maximum Termination Liability Period - The term "Maximum Termination Liability Period" denotes the length of time for which a termination charge may apply if all services using specially constructed facilities are terminated.

Net Salvage - The term "Net Salvage" denotes the estimated scrap, sale, or trade-in value, less the estimated cost of removal. Cost of removal includes the costs of demolishing, tearing down, or otherwise disposing of the material and any other applicable costs. Since the cost of removal may exceed salvage value, net salvage may be negative.

Nonrecoverable Cost - The term "Nonrecoverable Cost" denotes the cost of specially constructed facilities for which the Telephone Company has no foreseeable use should the service be terminated.

Normal Construction - The term "Normal Construction" denotes all facilities the Telephone Company would normally use to provide service in the absence of a requirement for special construction.

ACCESS SERVICE

18. Special Construction (Cont'd)18.2 Definitions (Cont'd)

Normal Cost - The term "Normal Cost" denotes the estimated cost to provide services using normal construction.

Permanent Facilities - The term "Permanent Facilities" denotes facilities providing service for one month or more.

Recoverable Cost - The term "Recoverable Cost" denotes the cost of the specially constructed facilities for which the Telephone Company has a foreseeable reuse, either in place or elsewhere, should the service be terminated.

Termination Charge - The term "Termination Charge" denotes the portion of the Maximum Termination Liability that is applied as a nonrecurring charge when all services are discontinued prior to the expiration of the specified liability period.

18.3 Charges to Provide Permanent Facilities

This section contains special construction charges to provide permanent facilities. Charges are developed on an individual case basis and are filed following:

Case No	Telephone Co Customer Name	Charge/ Description	Effective Liability Date	Expiration Date
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