

GCI Frame Relay

GCI Frame Relay is a packet data service capable of speeds of up to 1.536 Mbps which provides customers with a capability to connect locations via Permanent Virtual Circuits (PVCs) for data transmission. Service elements for Frame Relay are access facilities, ports, and PVCs, as specified below. The minimum term of service is one month.

(1) Access Facilities: Access to GCI Frame Relay is made using one of the following methods provided by GCI or a local exchange carrier. For each access facility used, one port is required for access to GCI Frame Relay.

- 56/64 kbps
- T-1 Digital Access (including Fractional T-1 Access options)

See 4.1 (A) (2) regulations regarding local channel facilities.

(2) Ports: A frame relay port connection provides the physical interface into the network and provides the logical termination of PVCs assigned to a port. Port capacity or speed represents the highest attainable data rate into or out of the location at any point in time. The maximum port size is limited to two times the aggregate committed information rate (CIR) into that port. For multiple PVCs terminating into a port, the minimum port speed must be greater than or equal to the aggregate CIR of all PVCs into that port.

(a) Non-Recurring Charge: A non-recurring charge of \$750 each for installation, disconnection, and reconfiguration per port applies.

(b) Monthly Recurring Charge: The following monthly recurring charges apply per port. The charges are determined based upon the port speed. The minimum port size is 56/64 Kbps.

<u>Speed (kbps)</u>	<u>Monthly Charge</u>
56/64	\$284
128	\$583
192	\$730
256	\$872
320	\$1,024
384	\$1,171
448	\$1,308
512	\$1,446
576	\$1,519
640	\$1,597
704	\$1,671
768	\$1,744
832	\$1,822
896	\$1,899
960	\$1,976
1024	\$2,053
1088	\$2,120
1152	\$2,187
1216	\$2,253
1280	\$2,320
1344	\$2,387
1408	\$2,454
1472	\$2,520
1536	\$2,587

GCI Frame Relay (CONT.)

(3) Permanent Virtual Circuits (PVCs): A PVC is a full duplex logical customer dedicated communications path between two port connections. Each PVC is assigned a committed information rate (CIR), which is the average minimum data rate the network will allocate to the PVC under normal operating conditions. The CIR rate must be less than the selected port speed. The data transmission rate for a PVC can be greater than the CIR when excess capacity is available on the port and on the network. When this capacity exists, an average data rate above the CIR may be achieved up to the port capacity. Data sent across a virtual connection in excess of that connection's CIR will be marked by the network as being discard eligible (DE) in the event of network congestion, and will be delivered only if the instantaneous demand for output on a transmission channel is equal to or less than the capacity of the queue for that channel. PVCs are duplex as they permit traffic in both directions at equal speeds.

(a) Non Recurring Charges: An installation charge of \$25 per PVC will apply to new service and to change an existing PVC.

(b) Monthly recurring charges: Monthly Recurring Charges apply per PVC, and the charges vary depending on locations connected via PVC. The charges are determined based upon the Committed Information Rates. Locations between which PVCs are available are Adak, Anchorage, Barrow, Bethel, Big Lake, Chugiak, Cordova, Dillingham, Eagle River, Eielson, Fairbanks, Ft. Wainwright, Glenallen, Healy, Homer, Juneau, Kenai, Ketchikan, King Salmon, Kotzebue, Kodiak, N. Kenai, Ninilchik, Nome, North Pole, Palmer, Prudhoe Bay, Seattle, Seward, Sitka, Soldotna, Unalaska, Valdez and Wasilla.

(i) Group I pricing: The charges for PVCs that connect locations within Anchorage, Juneau, Fairbanks, or Seattle are:

<u>CIR(kbps)</u>	<u>Monthly Recurring</u>
4	\$40
8	\$50
16	\$60
32	\$70
48	\$80
56/64	\$90
128	\$110
192	\$130
256	\$150
320	\$170
384	\$190
448	\$210
512	\$230
576	\$250
640	\$270
704	\$290
768	\$310
832	\$330
896	\$350
960	\$370
1024	\$390
1088	\$410
1152	\$430
1216	\$450

V. GCI Frame Relay (CONT.)

3. Permanent Virtual Circuits (Cont.)

1280	\$470
1344	\$490
1408	\$510
1472	\$530

(ii) Group II pricing: The charges for PVCs that connect between the locations of Anchorage, Eagle River, Chugiak, Palmer, Wasilla, Big Lake, Kenai, Soldotna, North Kenai, Ninilchik, and Fairbanks are:

<u>CIR(kbps)</u>	<u>Monthly Recurring</u>
4	\$50
8	\$60
16	\$70
32	\$80
48	\$90
56/64	\$100
128	\$140
192	\$180
256	\$220
320	\$260
384	\$300
448	\$340
512	\$380
576	\$420
640	\$460
704	\$500
768	\$540
832	\$580
896	\$620
960	\$660
1024	\$700
1088	\$740
1152	\$780
1216	\$820
1280	\$860
1344	\$900
1408	\$940
1472	\$980

V. GCI Frame Relay (CONT.)

3. Permanent Virtual Circuits (Cont.)

(iii) Group III pricing: The charges for PVCs that connect any locations on the Frame Relay network that do not qualify Group I or Group II pricing are:

<u>CIR(kbps)</u>	<u>Monthly Recurring</u>
4	\$55
8	\$70
16	\$95
32	\$175
48	\$255
56/64	\$290
128	\$650
192	\$980
256	\$1,310
320	\$1,625
384	\$1,955
448	\$2,470
512	\$2,930
576	\$3,340
640	\$3,735
704	\$4,145
768	\$4,555
832	\$4,980
896	\$5,415
960	\$5,860
1024	\$6,300
1088	\$6,740
1152	\$7,180
1216	\$7,620
1280	\$8,060
1344	\$8,940
1408	\$9,380
1472	\$9,820

Competition at Work Discount: Beginning July 1, 1999, Business Customers who renew, or order new, GCI Frame Relay Service, will receive an additional 5% discount from their total monthly GCI Frame Relay Port charges and Group III PVC charges each month. This discount applies to charges before the application of any other discounts or promotions.

V. GCI Frame Relay (CONT.)

(4) GCI Frame Relay Pricing Plans (GFRPP): GFRPP are term plans available at a customer's option in lieu of all other tariffed term plans other than Access Pricing Plans. Customers who elect to enroll in this plan are subject to the following conditions:

(a) Term Commitment: A customer must commit to a Term of Service of one, two, or three years. The term of the GFRPP will commence on the first day of the first full calendar month following GCI's acceptance of the customer's enrollment in the GFRPP. Upon expiration of the term, the customer will automatically be enrolled in a new one-year GFRPP unless the customer otherwise specifies to GCI in writing, which notice is received by GCI no less than thirty days prior to the expiration of the original GFRPP. The term of an associated Access Pricing Plan is independent of the GFRPP term.

(b) Early Termination Charges: Discontinuation of service furnished under the NGFRPP prior to the expiration of the committed term constitutes discontinuance of the plan and the customer will be billed and required to pay all or a portion of the NGFRPP discounts received through the date of termination as follows:

<u>Committed Term</u>	<u>Year of Term</u>	<u>Percent of Difference</u>
3	1	100%
	2	75%
	3	50%
2	1	100%
	2	50%
1	1	100%

Early termination charges do not apply if the customer enrolls in a new GFRPP with greater or equal term commitment. In such a case, the original GFRPP will terminate on the start date of the new GFRPP.

(c) Discounts: The following discounts apply to monthly recurring PVC and port charges for all services elements (excluding charges for network management, access, access coordination, non-tariffed services and products, taxes or associated surcharges).

<u>Term of Service</u>			
<u>1 Year</u>	<u>2 Years</u>	<u>3 Years</u>	<u>5 Years</u>
4%	7%	10%	13%

(d) Availability: Tariffed GCI Frame Relay service elements may not be available at or between all service points.

(i) Definition: Network Availability Time is measured as the total number of minutes in a calendar month during which core network PVC routes are available to exchange data between the two network infrastructure node end points, divided by the total number of minutes in a calendar month. For the purposes of this guarantee, a lapse in network availability is calculated commencing with the date on which the customer informs GCI of the problem and ends on the date of service restoration. For the purposes of this measurement, the PVC route is measured from infrastructure port to infrastructure port, and does not include customer premises equipment or local access facilities.

V. GCI Frame Relay (CONT.)

(ii) Objective: GCI will attempt to achieve a Network Availability Time of 99.5 percent for networks designed with ten or more network sites and a fully meshed network topology or a star network topology in which each remote site has PVCs connected to at least two network hubs engineered to a separate infrastructure node. In all other cases, GCI will attempt to achieve a Network Availability Time of 99 percent.

(iii) Extensions: Network Availability Time measurements do not include down times resulting in whole or in part from one or more of the following causes:

- Any act of omission on the part of the customer, customer contractors, and customer vendors;
- Scheduled maintenance;
- Labor strikes;
- Natural disasters;
- Force majeure events beyond the reasonable control of GCI (including, but not limited to, acts of God, government regulation, and national emergency); and
- Any act or omission on the part of any third party, including but not limited to any local access provider.

(iv) Calculation: Network Availability Time is calculated as follows:

$$\text{Monthly Network Availability Time} = 1 - \frac{\text{Total minutes of PVC downtime per month}}{\text{Total number of PVC} * \text{days in month} * 24 \text{ hours} * 60 \text{ minutes}}$$

EFFECTIVE: Since July 20, 1999