

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.3 FACILITIES PROTECTION - SPECIAL FACILITIES ROUTING (CONT'D)

4.3.2 TERMS AND CONDITIONS

- A. Diversity and Avoidance are available on all Private Line Transport services and on the loop portion of certain Exchange Access services. Loop Diversity is available on ATM Cell Relay Service, LAN Switching Service (LSS) and Metro Optical Ethernet (MOE). Service is subject to availability of facilities. When facilities are not available Special Construction charges may be assessed.
- B. The rates and charges for Special Facilities Routing and Hot Standby Protection are in addition to all other rates and charges that may be applicable to the service provided with Special Facilities Routing and Hot Standby Protection.
- C. When a customer orders more than one Special Facilities Routing option, (e.g., Loop Diversity and Interoffice Diversity, or multipoint Loop Diversity, i.e. on more than one leg of a multipoint circuit), at the same time, for the same service, only one nonrecurring charge applies. This nonrecurring charge applies to both the primary and secondary route for each service or circuit.
- D. Rate Elements applicable for other services with Special Facilities Routing apply on both the Primary Route and the Secondary Route. Special Construction charges may be applicable with Loop Diversity when Secondary Routes are not available.
- E. The terms Primary and Secondary Route are not meant as a reference to quality or usage, but are used to designate separate routing.
- F. At the request of the customer, information about the routing of services provided with Avoidance and/or Diversity can be provided. The rates and charges for the provision of this information will be assessed on an individual basis (ICB).

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.3 FACILITIES PROTECTION - SPECIAL FACILITIES ROUTING (CONT'D)

4.3.3 RATES AND CHARGES

- A. The rates and charges specified are in addition to the rates and charges for the services using Diversity and Avoidance.
- B. The rates and charges for Loop and Interoffice Diversity, and Avoidance, are specified following. Customers with one hundred terminations or more at a single location may request, Diversity and/or Avoidance under an Alternate Pricing Arrangement[1].
- C. For Private Line Transport or Exchange Access services, monthly rates and nonrecurring charges for Loop and Interoffice Diversity apply on a per termination or per circuit basis. For ATM Cell Relay Service (CRS), LAN Switching Service (LSS) and Metro Optical Ethernet (MOE), monthly rates and nonrecurring charges for Loop Diversity apply per Access Link optioned with protection.
- D. Monthly rates and nonrecurring charges for Avoidance apply on a per service basis.

[1] Monthly rates and nonrecurring charges will be developed on an individual case basis and specified in the Qwest Corporation Service Agreement

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.3 FACILITIES PROTECTION - SPECIAL FACILITIES ROUTING

4.3.3 RATES AND CHARGES (CONT'D)

	USOC	NONRECURRING CHARGE[1]	MONTHLY RATE
• Loop Diversity, per point of termination or ATM CRS Access Link with Protection, LSS per LAN Link termination with Protection or Metro Optical Ethernet (MOE) termination			
- Primary Route	DEVX1	\$50.00	\$12.00
- Secondary Route	DEVX2	50.00	12.00
• Interoffice Diversity, per circuit			
- Primary Route	DEWX1	50.00	10.00
- Secondary Route	DEWX2	50.00	10.00
• Avoidance, per service, per occurrence	AOV	50.00	12.00
• Alternate Pricing Arrangement			
- Diversity (per point of termination)	SYD++	[2]	[2]
- Avoidance (per service, per occurrence)	SYA++	[2]	[2]

[1] Only one nonrecurring charge applies, per circuit or service, when more than one option is ordered for the same service, at the same time.

[2] Monthly rates and nonrecurring charges will be developed on an individual case basis and specified in the Qwest Corporation Service Agreement.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.4 FACILITIES PROTECTION - HOT STANDBY PROTECTION

A. Description

Hot Standby Protection[1], hereinafter referred to as Fiber Optic Protect Path Diversity, is provided over fiber optic facilities with a second route separated by a minimum distance of 25 feet. Fiber Optic Protect Path Diversity is not a duplication of services, but dual routing with automatic transfer.

B. Provision of Service

Fiber Optic Protect Path Diversity is available when the subscriber is served by fiber optic facilities. This provides a second route between the first utility vault outside the serving wire center to the last terminal prior to the subscriber's premises unless the subscriber provides for a separate entrance facility. A sampling device located at the subscriber termination is common to both routes and automatically selects the secondary route in the event of a failure to the primary route.

C. Rates and Charges

Recurring and nonrecurring charges will be developed on an individual case basis.

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Fiber Optic Protect Path, per customer point of termination			
- Primary Route	SB8++	ICB	ICB
- Secondary Route	SB9++	ICB	ICB

[1] Fiber Optic Protect Path Diversity for DS1 and DS3 service is provided for elsewhere in this Price List under the rules and regulations specified for Self-Healing Alternate Route Protection (SHARP).

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS

A. Description[1]

1. Company services provided on facilities that extend to a high voltage environment, i.e., electric power generating, switching and distributing locations, require high voltage protection whenever hazardous voltages of 1000V peak-asymmetrical or greater appear on those facilities due to Ground Potential Rise (GPR) and/or induction caused by faults in electric power system(s) located on the customer's premises. The high voltage protection may be provided by the Company, as specified herein, or the customer may elect to provide the high voltage protection. The high voltage protection is designated to isolate or neutralize the hazardous voltages. The protection objectives on Company services and facilities at these locations are as follows:
 - a. To minimize electrical hazards to personnel engaged in construction, operation, maintenance and use of telecommunications service.
 - b. To limit electrical damage to telecommunications equipment, cable and wire facilities.
 - c. To provide the required service continuity and integrity of telecommunications transmission as specified by the customer.
2. This offering requires high voltage protection at the customer's premises and, if necessary, at the Company CO whenever the fault-produced GPR/induction equals or exceeds 1000V peak-asymmetrical.

[1] High Voltage Protection, as specified herein, does not apply to services provided on fiber optic facilities.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (CONT'D)

B. Responsibility of the Customer

1. A customer whose Company services are provided on facilities that extend to a high voltage environment where high voltage protection is required, as set forth in A., preceding, shall be responsible for providing to the Company, a completed Form RG31-0048, "Design Information for Power Industry Channels", which includes the following:
 - a. The maximum return (line fault) current under worst case single phase fault conditions at each location where telecommunications services are requested.
 - b. The type, quantity and projected forecast of each service required at a given location, including those required by contractors or any other temporary service needs, in accordance with the definitions given in D., following.
 - c. The Service Performance Objective Classification for each service in accordance with the definitions in E., following.
 - d. The technical data needed by the Company to determine the method of protection required at each service location. This data includes, but is not limited to, the ground grid area, impedance of the station ground grid to remote earth, X/R ratio of the power system at the probable point of fault, fault current diagrams and maps of major power feeder routes.
2. Changes in the information provided in 1., preceding, will require written notification, with a revised Form RG31-0048. These changes shall be provided as they occur to permit reevaluation, redesign, implementation and tests of the required modified or new protection method.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (CONT'D)

C. Responsibility of the Company

1. The Company, working in conjunction with the customer, shall determine the proper methods of protection required to achieve the objectives set forth in A. The method of protection for every service in a cable shall be coordinated by the Company to be compatible with the protection provided for the most critically important service in that cable.
2. It is expressly declared that metallic facilities are in continually decreasing supply, and the Company is not obligated to continue to make such facilities available. Metallic facilities are offered only where existing facilities and operating conditions permit.
3. The Company reserves the right to treat high voltage protection on an individual case basis, dependent on the type of facilities available.

D. Protection Service Types

1. Protection services which the Company offers are identified according to the following types:
 - a. Type 1
Services requiring either dc transmission or ac and dc transmission, used for basic exchange telephone service and/or Private Line Transport Service.
 - b. Type 2
Private Line Transport Service requiring Voice Grade and/or Low Speed Data, D.C. Channel and Alarm transmission, used for pilot wire protective relaying or dc tripping.
 - c. Type 3
Private Line Transport Service requiring ac Voice Grade transmission only, used for telemetering, supervisory control, data, etc.
 - d. Type 4
Private Line Transport Service requiring ac Voice Grade transmission only, used for audio tone protective relaying.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (CONT'D)

E. Service Performance Objective Classification

1. Interruptions or outages of telecommunications circuits serving electric power substations may occur for physical reasons such as cable damage due to extraordinarily heavy storm loading, a vehicle striking and breaking a utility pole, a cable cut, a lightning strike, or acts of God. Circuit failures caused by such events cannot be prevented and the Company expressly states that provision of the service provided in this Section cannot preclude such service outages as may occur due to the above mentioned circumstances.
2. Interruptions or outages due to the effect (GPR and/or induction) of faults in the customer's power generating, transmission and/or distribution systems are minimized through the installation and maintenance of high voltage protection service which is designed to operate in a fault-produced electrical environment.
3. Because of the customer's need for service continuity during power system faults on some types of telecommunications services provided to power stations, the following system of Service Performance Objective Classifications has been established for the purpose of permitting the customer to specify the performance objectives for most types of telecommunications services provided to power stations:

a. Class A

Non-interruptible service performance (must function before, during and after the power fault condition) for services requiring ac transmission only. Class A service cannot tolerate even a momentary service interruption. Non-tolerable service interruptions include both loss of dependability (failure to deliver a valid trip or control signal) and loss of security (delivery of a false trip or control signal).

b. Class B

Self-restoring interruptible service performance (must function before and after the power fault condition) for any service. Class B service can tolerate a service interruption for the duration of a power system fault, but service continuity must be restored immediately after the fault without requiring any repair personnel activity.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS

E.3. (Cont'd)

c. Class C[1]

Interruptible service performance (can tolerate a station visit to restore service) for power stations with a GPR less than 1,000V peak-asymmetrical. Class C service can tolerate a service interruption which requires a station visit by repair personnel to restore service. Class C service cannot be provided in conjunction with Class A or Class B service.

F. Provision of High Voltage Protection Service

1. The Company or the customer may provide the high voltage protection.
2. At the customer's request, the Company shall provide any required high voltage protection at the customer's premises and, if necessary, at the Company's CO at rates and charges set forth in G., following. The Company will inspect and verify the protection when service is established at new or existing customer locations and at future times as deemed necessary during changes, rearrangements or maintenance.
3. If the customer elects to provide the required high voltage protection, the equipment used must meet the technical requirements specified in the Institute of Electrical and Electronics Engineers (IEEE) Standard 487.
4. Where the Company does not provide the high voltage protection (HVP) on the customers facilities because the customer has elected to select, install, use and maintain its own HVP, the customer does so with the understanding that it is solely responsible for any interruption of Company service associated with its selection, installation, use or maintenance of the HVP. Furthermore, the customer, its successors and assigns, agree to indemnify and hold the Company and its Subsidiaries and its and their employees, officers, directors and agents harmless from all loss, liabilities, costs and expenses, including attorneys' fees and all cost of defense and settlement, resulting from interruption of service, damage to Company property, claims, demands, suits or actions of any nature whatsoever ("Proceedings"), arising from the failure of the HVP selected, installed, used or maintained by the customer.
5. The Company reserves the right to suspend any service without adequate high voltage protection until adequate protection is provided.

[1] High Voltage Protection is not required.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (CONT'D)

G. Rates and Charges

1. Protection Service Types[1]

These rates and charges apply for each service terminated and treated with high voltage protection at a service location. These rates and charges do not include equipment cabinets or mounting arrangements which may be provided by the Company at additional costs or by the customer.

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Type 1 Class B Service			
- 2 wire	HVC	\$128.00	\$29.00
- 4 wire-metallic[2]	HVA	159.50	42.00
- 4 wire-non-metallic	HVD	159.50	42.00
• Type 2 Class B Service			
- 2 wire	HVE	189.75	48.75
- 4 wire[2]	HVB	284.75	97.50
• Type 3 Class A Service			
- 2 wire	HVF	189.75	28.50
- 4 wire	HVG	284.75	57.25
• Type 3 Class B Service			
- 2 wire	HVH	128.00	21.00
- 4 wire	HVJ	159.50	42.00
• Type 4 Class A Service			
- 2 wire	HVK	189.75	28.50
- 4 wire	HVL	284.75	57.25

[1] These rates and charges are in addition to charges for Local Exchange Telephone Service and/or the Network Access Channel, Channel Performance and Transport Mileage which are applicable for Private Line Transport Service channels.

[2] Service is limited to a maximum ground potential rise of 4.0 KV RMS-11VS.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.5 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS

G. Rates and Charges (Cont'd)

2. In lieu of the nonrecurring charges and the monthly rates specified in 1., preceding, the customer may elect to pay an upfront, nonrecurring charge for high voltage protection service to be provided by the Company for a period of up to ten years. This nonrecurring charge will be determined on an individual case basis (ICB), with payment terms and conditions specified in a service agreement between the Company and the customer. At the end of the service period, a new service agreement may be negotiated for the continued maintenance of the high voltage protection service, or the service may be continued on a month-to-month basis.

	USOC	NONRECURRING CHARGE
• Type 1 Class B Service		
- 2 wire	HPP	[1]
- 4 wire-metallic[2]	HPM	[1]
- 4 wire-non-metallic[2]	HPS	[1]
• Type 2 Class B Service		
- 2 wire	HPU	[1]
- 4 wire[2]	HPN	[1]
• Type 3 Class A Service		
- 2 wire	HPW	[1]
- 4 wire	HPY	[1]
• Type 3 Class B Service		
- 2 wire	HP1	[1]
- 4 wire	HP3	[1]
• Type 4 Class A Service		
- 2 wire	HP5	[1]
- 4 wire	HP7	[1]

[1] This charge will be developed on an individual case basis, and is in addition to the rates and charges for the service(s) with which it is associated.

[2] Service is limited to a maximum ground potential rise of 4.0 KV RMS-11 volt seconds.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.6 *COMMAND A LINK* - NETWORK RECONFIGURATION SERVICE

A. Description

COMMAND A LINK Network Reconfiguration Service provides the customer with the ability to reconfigure or rearrange their network from their premises at their convenience. The typical *COMMAND A LINK* network consists of three components: the circuits, which are purchased elsewhere in this Price List; the connection of these circuits to the *COMMAND A LINK* Digital Crossconnect System (DCS) ports; and the access to the network controller to rearrange the circuits. Information pertaining to the technical specifications for this service is found in 1.9, preceding, Reference to Technical Publications.

B. Service Elements

1. Digital Crossconnect System (DCS) Ports

This element provides for the cross-connection between circuit terminations. Like circuits can only cross-connect to like circuits i.e., voice to voice, data to data, of like circuit design and transmission rates. Terminations are provided on the following ports:

DS0 Port

Provides for the termination of analog or digital circuits up to the 64 kbit/s speed.

DS1 Port

Provides for the termination of a 1.544 Mbit/s digital circuit.

DS3 Port

Provides for the termination of a 44.736 Mbit/s digital circuit.

Virtual Port

Provides for the interconnection of compatible circuits of two separate *COMMAND A LINK* customers, by their mutual consent.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.6 *COMMAND A LINK* - NETWORK RECONFIGURATION SERVICE

B. Service Elements (Cont'd)

2. Network Controller

This element communicates customer commands to the DCS. Through these commands, customers are able to establish and rearrange the cross-connections between their circuit terminations.

3. Access Options

a. Web Based Access

Web Based Access is a URL interface which provides access to the Graphical User Interface (GUI). This website allows customers to view their circuits and to reconfigure their services.

b. Attendant Access

With this option, the customer calls a Company attendant who follows customer instructions to reconfigure the customer's *COMMAND A LINK* circuits. Attendant Access is only available during normal business hours (8:00 a.m. - 5:00 p.m., Monday through Friday). Customers requesting Attendant Access, outside of normal business hours, will be liable for Additional Labor Charges, as specified in 4.1.13, preceding, in addition to the Attendant Access nonrecurring charge.

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4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.6 *COMMAND A LINK* - NETWORK RECONFIGURATION SERVICE (CONT'D)

C. Service Information

SERVICE	CLASS OF SERVICE
<i>COMMAND A LINK</i>	
• Month-to Month	XNEMY

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.6 *COMMAND A LINK* - NETWORK RECONFIGURATION SERVICE (CONT'D)

D. Terms and Conditions

The terms, conditions and regulations specified for DS1 and DS3 Service apply in addition to those set forth in this Section of this Price List.

1. Provisioning

- a. *COMMAND A LINK* Service provides circuit termination cross-connections and the control of these cross-connections. It does not include the provisioning of circuits. Circuits are governed by their established terms and conditions.
- b. Cross-connection and control devices are located on suitable Company premises. Provisioning of *COMMAND A LINK* Service is subject to the availability of these devices.
- c. Both intraLATA and interLATA circuits may terminate on the same DCS, cross-connecting with like circuits, i.e., intraLATA to intraLATA and interLATA to interLATA.
- d. Circuits which terminate on a DCS must conform to *COMMAND A LINK* technology, as determined by the Company.
- e. When customers concur, the circuit(s) of one customer may be interconnected to the compatible circuit(s) of another customer using a virtual port.

E. Rate Terms and Conditions

1. Digital Crossconnect System (DCS) Ports

a. DS0, DS1 and DS3 Port Charges

A monthly and a nonrecurring charge apply to each circuit terminating on a DCS port.

b. Virtual Port Charge

When circuits of two or more *COMMAND A LINK* customers are interconnected using virtual ports, a nonrecurring charge to each customer applies to establish each virtual port.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.6 *COMMAND A LINK* - NETWORK RECONFIGURATION SERVICE

E. Rate Terms and Conditions (Cont'd)

2. Access Options[1]

a. Web Based Access

There is no additional charge for customers who use Web Based Access.

b. Attendant Access

When a customer requests the Company to make changes on their behalf, a per-transaction charge applies. Examples of transactions include, but are not limited to the following:

- The performance of each reconfiguration activity, including connecting, disconnecting, or reconnecting each circuit segment. For example, the connection of one 9.6 kbit/s data circuit to another 9.6 kbit/s data circuit constitutes two (2) transactions.
- A customer requested change in the customer's security code.
- Establishing, changing, or removing each scheduled reservation activity.
- A change to each of a customer's symbolic names or aliases for their circuits.
- Each request for a *COMMAND A LINK* list or report.

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[1] Customers who subscribe to Web Based Access may also choose to use the attendant option for execution of commands and/or changes. The per-transaction charge will apply.

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4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.6 COMMAND A LINK - NETWORK RECONFIGURATION SERVICE

E. Rate Terms and Conditions (Cont'd)

3. Payment Options

- a. *COMMAND A LINK* is offered on a month-to-month basis, as described under DS1 Service.
- b. Discount pricing is offered, based on volume. Volume discounts apply to month-to-month.

The volume discount is applied in a tiered structure, i.e., if a customer purchases 15 Ports at the DS0 or DS1 level, the first ten will be at one price for each Port, while the next five will be at another (discounted) price for each Port. For DS3 Ports, the first Port will be at one price and each additional DS3 Port will be discounted.

- c. The rates for service are for a minimum billing period of one month.

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.6 COMMAND A LINK - NETWORK RECONFIGURATION SERVICE

E. Rate Terms and Conditions (Cont'd)

4. Service Rearrangements

Should the customer choose to upgrade from a point-to-point DS0, DS1 or DS3 Service to a DS0, DS1 or DS3 provisioned with *COMMAND A LINK*, the appropriate *COMMAND A LINK* port nonrecurring charge will apply, in addition to the applicable nonrecurring charge(s) for the service rearranged.

F. Rates and Charges

1. Digital Crossconnect System Ports

a. Monthly Rates, per port

	USOC	MONTH-TO-MONTH
• DS0 Ports		
- 1-10	D1W1X	\$ 30.00
- 11-50	D1W2X	27.00
- 51-100	D1W3X	25.00
- More than 100	D1W4X	24.00
• DS1 Ports		
- 1-10	D1J1X	145.00
- 11-50	D1J2X	125.00
- 51-100	D1J3X	110.00
- More than 100	D1J4X	95.00
• DS3 Ports		
- First	D3D	1,525.00
- Each additional	D3DAX	1,235.00

4. ORDER MODIFICATIONS AND MISCELLANEOUS CHARGES

4.6 COMMAND A LINK - NETWORK RECONFIGURATION SERVICE

F.1. (Cont'd)

b. Nonrecurring Charges, per port

	USOC	NONRECURRING CHARGE
• DS0 Port	D1W+X	\$ 25.00
• DS1 Port	D1J+X	425.00
• DS3 Port	D3D++	500.00
• Virtual Port	VXO	15.00

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
2. Access Option				(C)
• Attendant Access, per transaction	D2GAA	\$30.00	—	(D)