

**18. DARK FIBER**

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## **18. DARK FIBER**

Qwest Corporation currently has a Section 214 Application pending before the Federal Communications Commission to exit the Dark Fiber business.

In accordance with Special Permission Number 94-683 and the decision of the U.S. Court of Appeals for the D.C. Circuit in *Southwestern Bell Telephone Co., et al. v. FCC*, Case No. 91-1416, decided on April 5, 1994, beginning on June 10, 1994 the Company will only provide those dark fiber arrangements which are in service as of such date or have confirmed Access Service Requests, and such arrangements will be continued pending the outcome of the remand proceeding resulting from such court of appeals decisions. Also, beginning on such date, the Company will not provide any new Dark Fiber arrangements nor will it provide any changes, additions, moves or rearrangements of existing Dark Fiber arrangements.

### **18.1 DESCRIPTION**

Dark Fiber is composed of fiber strands constructed between customer designated premises, for which no terminating or regenerating electronic equipment is provided by the Company. The customer will provide the terminating equipment which is required to convert the Dark Fiber into a usable path for communications transport.

Technical Specifications for Dark Fiber are delineated in Qwest Corporation Technical Publication PUB 77348.

Dark Fiber will not be connected to Expanded Interconnection - Collocation Service as set forth in Section 21, following.

### **18.2 RATE CATEGORIES**

There are two rate elements which will apply to Dark Fiber Service.

- Dark Fiber - Basic, Recurring Rate (described in 18.2.A.), following.
- Dark Fiber - Basic, Nonrecurring Charge (described in 18.2.B.), following.

These Rate Categories include both recurring and/or nonrecurring charges which apply on a per installation, per mile basis; per two fiber, per mile basis; per order; or per installation basis. (Per installation can be defined as per twelve fiber cable provided between two customer premises.)

## **18. DARK FIBER**

### **18.2 RATE CATEGORIES (Cont'd)**

#### **A. Dark Fiber - Basic, Recurring Rate**

Dark Fiber - Basic, Recurring Rate, will be charged where normal installation of the Dark Fiber occurs, e.g., trenching through loose soil or sand. The recurring rates will apply on a per two fiber, per mile basis, as detailed in 18.4, following. Dark Fiber mileages that total a fraction of a mile will be rounded up to the next higher number of miles.

#### **B. Dark Fiber - Basic, Nonrecurring Charge**

Dark Fiber - Basic, Nonrecurring Charge, recovers the provisioning costs and is applied per order, as detailed in 18.4, following.

### **18.3 ORDERING**

#### **18.3.1 DARK FIBER OPTIONS AND CONDITIONS**

Dark Fiber 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 Dark Fiber (e.g., Cancellation Charges, etc.)

The customer must, on the initial request, order a minimum of two fibers per route and can only order in two fiber increments.

The offering of Dark Fiber contemplates the use of existing facilities. Should facilities not be available, it may be necessary to construct such facilities as (1) normal or (2) special construction. If special construction is involved, the regulations, as set forth in Tariff F.C.C. No. 2 will apply.

**18. DARK FIBER**

**18.4 RATES AND CHARGES FOR DARK FIBER**

The rates and charges for Dark Fiber are as follows:

**18.4.1 ALL STATES**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Dark Fiber - Basic, per two fiber, per mile[1]	1A5CS	—	\$532.00
• Dark Fiber - Basic, per order	NRBDO	\$239.07	—

[1] Dark Fiber can be ordered in two fiber increments on a month-to-month basis only.

**19. TRIAL SERVICES OR ARRANGEMENTS**

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Certain material on this page formerly appeared in Section 17.

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**19. TRIAL SERVICES OR ARRANGEMENTS**

(T)(M)

**19.1 GENERAL**

Trial Services or Arrangements may be provided by the Company to provide an opportunity for both the Company and participant to test the marketplace, technical functionality and reliability of a prototype, and/or to determine the requirements for final development of a standard service offering. Trial Services or Arrangements are provided on a temporary basis if such services or arrangements meet the following criteria:

(T)

- A. The trial services or arrangements are not offered under other sections of this Tariff.
- B. The trial services or arrangements will be offered for a limited time as specified in 19.3.
- C. If and when the Company elects to offer a trial service or arrangement on a regular basis as a standard service offering, such trial service or arrangement will be filed in the appropriate tariff section(s) after the trial period. Normal rates and tariff regulations will then apply to all purchasers of Service. Participants of the trial service or arrangement will then order the standard service offering.
- D. The Company and participant representatives shall jointly agree upon, and engage in, an evaluation of a trial. This evaluation of the trial will include any tests or rearrangements conducted jointly on the service or arrangement as well as determining how effectively the service or arrangement works with other telecommunications services. Any joint evaluation shall be performed, and concluded, prior to the end date of the trial. In the event the trial is terminated earlier than the end date, any obligation the parties have with respect to evaluation shall cease without liability, of any kind, attaching to any party.

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**19. TRIAL SERVICES OR ARRANGEMENTS**

(T)(M)

**19.2 LIMITATIONS**

- A. The Company is not prohibited or restricted in ability or capacity to engage with other participants in similar or other trial services or arrangements.
- B. The Company makes no guarantee, warranty, or representation to continue a trial service or arrangement beyond the end date or to convert it to a standard service offering.
- C. The Company reserves the right to make changes which might cause interruptions. Credit allowance for service interruptions will apply as set forth in 2.4.4, preceding.

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**19. TRIAL SERVICES OR ARRANGEMENTS**

**19.3 TRIALS**

Rates, charges and additional regulations, if applicable, for trial services or arrangements are provided by trial number.

**19.3.1 TRIAL NO:** 01  
**NAME:** QWEST DSL Market Trial  
**START DATE:** January 28, 2003  
**END DATE:** March 14, 2003

**A. Description**

The Company will Market Trial four DMT *QWEST DSL PRO* bandwidths from January 28, 2003 through March 14, 2003, with pricing stability through March 31, 2004. This trial will offer DMT *QWEST DSL PRO DELUXE*, DMT *QWEST DSL PRO 1 MBPS*, DMT *QWEST DSL PRO 4 MBPS* and DMT *QWEST DSL PRO 7 MBPS* to eligible residence customers at a discounted rate.

The *QWEST DSL* Market Trial will be limited to DSL equipped wire centers located in the Denver Metropolitan Area. Unless otherwise specified in this trial, the terms and conditions as set forth in Section 8.4, preceding, apply.

- Eligibility Requirements:
  - Must be a residence customer served out of Denver Metropolitan Area DSL equipped wire center.
  - Must be new DSL Service for the customer not an upgrade to or replacement of existing DSL Service.



**19. TRIAL SERVICES OR ARRANGEMENTS**

**19.3 TRIALS**

**19.3.1 TRIAL NO: 01**

**NAME:** QWEST DSL Market Trial

**START DATE:** January 28, 2003

**END DATE:** March 14, 2003

**A. Description (Cont'd)**

- The following apply:
  - The Company will contact eligible residence customers either by phone or mail to provide them with an 800 number exclusive to this Trial. Eligible customers must be contacted by the Company and must call the 800 number provided in order to participate in this Market Trial. This offering will not be handled through the Company business office.
  - The *QWEST DSL PRO* Installation and Service Guarantees as set forth in 8.4.1.D. & E., preceding, do not apply.
  - Order applications for this service must be made from January 28, 2003 through March 14, 2003, with order completion within 10 days of the order application date. If order completion is delayed due to Company reasons, the order completion date will be extended.
  - On April 1, 2004, the customer's service will revert to the respective DMT *QWEST DSL PRO* Service rates unless the customer elects either to change to another *QWEST DSL* Service or to disconnect the service at no charge.

(N)

(N)

**19. TRIAL SERVICES OR ARRANGEMENTS**

**19.3 TRIALS**

**19.3.1 TRIAL NO: 01**

**NAME:** QWEST DSL Market Trial

**START DATE:** January 28, 2003

**END DATE:** March 14, 2003 (Cont'd)

**B. Description of Rates and Charges**

The *QWEST DSL Market Trial* will be offered as month-to-month service only, Fixed Period Service Rate Plans as set forth in Section 8.4, preceding, are not available with this trial. Customers subscribing to service under this trial will be billed the rates as set forth in C., following, through March 31, 2004. If the customer disconnects the service prior to March 31, 2004, the customer may not reestablish service under the rates in this trial. A DSL nonrecurring charge will not be assessed with this trial.

**C. Rates and Charges**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1. DMT <i>QWEST DSL PRO DELUXE</i>	GRLGM	-	\$26.99
2. DMT <i>QWEST DSL PRO 1 MBPS</i>	GRLDM	-	31.99
3. DMT <i>QWEST DSL PRO 4 MBPS</i>	GRLEM	-	41.99
4. DMT <i>QWEST DSL PRO 7 MBPS</i>	GRLFM	-	51.99

(N)

(N)

**20. COMMON CHANNEL SIGNALING NETWORK**

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## **20. COMMON CHANNEL SIGNALING NETWORK**

The Company's Common Channel Signaling Network (CCSN) is a digital data network carrying signaling information that interfaces with the Company's voice/data network for services using the American National Standards Institute (ANSI) CCS7 signaling protocol.

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY**

#### **20.1.1 GENERAL DESCRIPTION**

Common Channel Signaling Access Capability (CCSAC) allows a customer to connect with the Company's SS7 network. CCSAC is used in conjunction with other SS7 based features and services. CCSAC provides the means for transmitting SS7 out of band signaling information via Switched Access CCS Links between the customer's Signaling Point of Interface (SPOI) and the Company's Signal Transfer Point (STP). The STP provides translations and routing functions for SS7 signaling messages received from the Company's network signaling points and the SS7 networks of other entities. There are two types of signaling messages. ISDN User Part (ISUP) messages are used for call set-up (establishing and closing transmission paths for voice and data calls over the public switched network). Transaction Capabilities Application Part (TCAP) messages are used to carry information between signaling points for call related database services. CCSAC acts as a platform for the following applications.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY**

#### **20.1.1 GENERAL DESCRIPTION (Cont'd)**

##### **A. Call Set-Up**

This application provides the customer the capability to send originating and terminating call set-up signaling information, via ISUP messages, between the customer's designated premises, the Company's STP and other entities in association with message telecommunications service. Call Set-Up may be associated with calls that utilize the Company's switched access network or may be associated with calls that do not utilize the Company's switched access network. If the message trunks are provided by the Company, the customer must order the associated CST3 or Feature Group D trunks with SS7 Out of Band Signaling option as set forth in Section 6, preceding. Call Set-Up associated with calls that do not utilize the Company's switched access network is referred to as transient call set-up and the customer must have message trunks with SS7 capabilities. CCSAC Service as set forth in this section is required to provide both capabilities.

##### **B. Foreign Data Base Queries**

This service provides the customer the ability to query foreign data bases (data bases not maintained by the Company) by sending signaling information via TCAP messages between the Company's STP, the customer's designated premises and the foreign database. CCSAC Service as set forth in this section is required to provide this capability.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY**

#### **20.1.1 GENERAL DESCRIPTION (Cont'd)**

##### **C. Line Information Data Base (LIDB) Service**

Line Information Data Base (LIDB) Service provides the customer the ability to query, in the form of signaling information, the Company's LIDB via the Company's CCSAC. LIDB provides customers with information that can be used to facilitate completion of calls. LIDB is available for Validation Service and Originating Line Number Screening (OLNS). Customers requesting LIDB must order CCSAC, as set forth in 20.1.1 and LIDB as set forth in 20.2.3, following.

##### **D. Local Number Portability Data Base Service**

Local Number Portability (LNP) Data Base Service provides the customer the ability to query, in the form of signaling information, the Company's LNP data base via the Company's CCSAC. The LNP Data Base provides customers with Location Routing Number (LRN) information for a Local Service Provider by NNX code. Customers requesting LNP must order CCSAC, as set forth in 20.1.1 and LNP as set forth in 20.2.4, following, or the customer may access the LNP Data Base information as set forth in 13.19.1, preceding.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (Cont'd)**

#### **20.1.2 SERVICE DESCRIPTION**

CCSAC is provided by a CCS Link. The CCS Link provides digital bi-directional transmission and operates at a DSO-A level (i.e., 56 kbps of CCS7 signaling data and 8 kbps of control/supervisory data). Each DSO-A channel (link) occupies a single DSO (i.e., 64 kbps) channel of a 24 channel DS1 digital transmission system. The DSO-A channel (link) is multiplexed into a DS1 format for hand off at the customer's SPOI. One STP Port is required for each 56 kbps signaling link utilized for CCSAC at the Company STP. The customer's SPOI and the Company's STP wire center must be located within the same LATA. The STP Port is the point of termination to the signal switching capability of the STP and is dedicated to the customer. The CCS Link is transported via an Entrance Facility and a Direct Link Transport (DLT) facility as described in 1. and 2., following, and is utilized exclusively for connecting the customer's CCS network and the Company's CCSN for the transmission of network control signaling data only.

#### **A. Entrance Facility**

The Entrance Facility provides the connection from the customer's SPOI to the serving wire center (SWC) of the customer's SPOI on a dedicated DS1 facility ordered as set forth in this section and is utilized exclusively for the transmission of network control signaling data only. The customer may utilize an existing DS1 Entrance Facility previously ordered from this section for additional CCS Links or order a new DS1 Entrance Facility from this section. The customer may also choose to utilize a portion (i.e., DS1) of an existing DS3 facility under the regulations of Shared Use. The DS3 facility can only be ordered from Section 6 or Section 7, preceding. Multiplexing arrangements and the associated regulations are described as set forth in 6.1.2., preceding. When the customer chooses to use a portion of an existing DS3 facility, the customer must allocate, at the minimum, one dedicated DS1 for the provision of the signaling links. Rate applications for Shared Use are set forth in Section 2.7, preceding.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY**

#### **20.1.2 SERVICE DESCRIPTION (Cont'd)**

##### **B. Direct Link Transport (DLT)**

The DLT provides for the transmission facilities between the SWC of the customer's SPOI and the Company's STP. The customer has the option of ordering a DS1 DLT facility from this section, utilized exclusively for the transmission of network control signaling data only, or a single DSO-A channel (i.e., 64 kbps) of a 24 channel DS1 facility. The customer may utilize an existing DS1 DLT facility previously ordered from this section for additional CCS Links or order a new DS1 DLT or a DSO DLT facility.

Company hubbing arrangements can be utilized for CCSAC. If the customer has an existing DS3 facility between the SWC of the customer's premises and a Company Hub, ordered and provisioned as set forth in Section 6 or Section 7, preceding, the customer may utilize a portion (i.e., DS1) of the existing DS3 facility for the CCS Link(s) under the provisions of the Shared Use regulations as set forth in Section 2.7, preceding. In addition, the customer must order the DS1 or DSO DLT from the Company Hub to the Company STP.

When the customer orders a DS1 DLT facility from the SWC of the customer's SPOI or a Company Hub to a Company STP, it is dedicated to, and controlled by, the customer. The customer must order a DS1 to DSO Multiplexer at the Company STP for termination into the STP Port. Multiplexing rates are set forth in 20.3, following.

When the customer orders a DSO DLT channel, the Company will provide the multiplexing equipment at a location determined by the Company as part of its overall network design at no additional charge. When the customer chooses to order multiplexing equipment at a specific location, the customer is assessed multiplexing rates as set forth in 20.3, following. The facility used to transport the DSO channel(s) is controlled by the Company and may contain other network control signaling channels as determined by the Company.



## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (Cont'd)**

#### **20.1.3 RATE CATEGORIES AND APPLICATIONS**

There are four types of charges that may apply for the CCS Links and the associated services. These are nonrecurring, monthly, message and query charges. CCSAC rates and charges are set forth in 20.3, following. Switched Access rates, as set forth in Section 6, are not applicable.

##### **A. Nonrecurring Charges**

###### **1. Installation Charges**

Each CCS Link is assessed a nonrecurring installation charge provided on a first and each additional link basis, per order. A nonrecurring charge is also assessed for each DS1 Entrance Facility provided.

###### **2. CCSAC Option Activation Charge**

The CCSAC Option Activation charge is assessed for adding or changing a point code in the signaling network for the specific application being requested and if that application is considered to be a basic or database application. When the customer initially orders CCSAC Service and the associated application, the first point code is provided at no charge. Each additional point code on the same order is assessed the "Each Additional Point Code" rate. When the customer has existing CCSAC link(s) and chooses to change or add a point code in the STP, the first point code, is assessed the "First Point Code Activation" charge and each additional point code is assessed the "Each Additional Point Code" charge, per access order, per translation basis (i.e., basic or database). The activation charge for the CCSAC link(s) shall be billed to the CCSAC customer.

###### **3. Service Rearrangements**

Any change in CCSAC service, except a change in jurisdiction or point code changes, shall be treated as a discontinuance of the existing service and an installation of a new service. Minimum period requirements are as set forth in 5.2.5, preceding.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY**

#### **20.1.3 RATE CATEGORIES AND APPLICATIONS (Cont'd)**

##### **B. Monthly Charges**

The Entrance Facility monthly rate is assessed on a per DS1 facility provided when the Entrance Facility is ordered from this section for CCSAC. When the customer has Shared Use facilities, the monthly rates are apportioned as set forth in Section 2.7, preceding.

For each DLT facility provided, DSO or DS1, a fixed monthly rate per mile band, and a monthly rate per mile is assessed. When the customer has Shared Use facilities, the monthly rates are apportioned as set forth in Section 2.7, preceding. Mileage measurement is calculated on a airline mile basis, using the V&H coordinates method, between the SWC of the customer's SPOI and the Company's STP. When DLT facilities of different capacities are connected by a multiplexer at a Company Hub, mileage is measured separately from the SWC of the customer's premises to the Company Hub, where multiplexing occurs, and then measured from the Company Hub to the Company STP.

An STP Port is provided for each CCS Link and each STP Port is assessed a monthly rate.

EF and DTT multiplexing equipment is assessed a monthly rate per arrangement provided. When the customer has Shared Use facilities, the monthly rates are apportioned as set forth in Section 2.7, preceding.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY**

#### **20.1.3 RATE CATEGORIES AND APPLICATIONS (Cont'd)**

##### **C. Message Charges**

Message charges, as set forth in 20.3.1, following, are assessed based on the type of message protocol, ISUP or TCAP. ISUP messages are associated with call set-up, while TCAP messages are used to query call related data bases. ISUP message charges are assessed per call set-up request and TCAP message charges are assessed per data request.

Message charges do not apply for TCAP messages switched by the regional STPs to the Company provided 800 Data Base, LIDB or LNP Data Base. Query charges are assessed in lieu of message charges. Query charges for 800 Data Base are assessed as set forth in 6.2.8, preceding. LIDB and LNP query charges are described in D., following. When TCAP messages are destined for a foreign data base, including a non-company provided LNP Data Base, message charges are assessed in lieu of query charges.

Message charges are assessed in the following manner.

##### **1. Signal Formulation**

An ISUP Signal Formulation charge is assessed, per call set-up request, for formulating signaling messages in association with call set-up.

##### **2. Signal Transport**

An ISUP Signal Transport charge is assessed, per call set-up request, for signaling messages transported to or from the Company STP in association with call set-up.

A TCAP Signal Transport charge is assessed per data request transported to or from a Company STP and destined for a foreign data base.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY**

#### **20.1.3 RATE CATEGORIES AND APPLICATIONS**

##### **C. Message Charges (Cont'd)**

##### **3. Signal Switching**

An ISUP Signal Switching charge is assessed per call set-up request that is switched at the Company STP.

A TCAP Signal Switching charge is assessed for each data request that is switched by the Company STP and destined for a foreign network or data base.

##### **D. Query Charges**

Query charges apply for queries to the Company LIDB and the LNP Data Base. When query charges apply for access to a Company provided data base, message charges are not assessed. LIDB query charges are described in 20.2.3, following, and the LNP Data Base Query Charge is described in 20.2.4, following.

#### **20.1.4 NETWORK MANAGEMENT**

The customer shall provide semi-annually a CCSAC Network Management Report. The CCSAC Network Management Report requirements are described in Qwest Corporation Technical Publication PUB 77342. The Company will use the report information in its own effort to further project CCSN facility requirements.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (Cont'd)**

#### **20.1.5 ORDERING REQUIREMENTS**

When a customer orders CCSAC, the customer must specify the customer STP premises, the number of CCS Links and the service (application) requiring CCSAC connectivity. One STP Port is provided for each link ordered. In addition, the customer must specify, at a minimum, information for the Entrance Facility and the DLT as described following.

The customer must have capacity available on an existing DS1 Entrance Facility (ordered and provisioned from this section) or a DS3 facility (ordered and provisioned from Section 6 or Section 7) between the customer's SPOI and the SWC of the customer's SPOI with a compatible interface or request a DS1 Entrance Facility. If the Entrance Facility is existing, the customer shall provide the Circuit Facility Assignment (CFA) of the existing facilities that will be utilized.

In addition the customer must specify the type of DLT facility, DS1 or DSO, to be utilized or provided between the SWC of the customer's SPOI and the Company's STP.

The Company will allow Company provided hubbing arrangements in association with CCSAC. If the customer has an existing DS3 facility (ordered and provisioned from Section 6 or Section 7) to a Company Hub, the customer may use a portion of the DS3 facility (i.e., DS1) for the CCS Link(s) from the SWC of the customer's SPOI to the Company Hub and then order the DS1 or DSO DLT from the Company Hub to the Company's STP. If the customer requests a DS1 DLT, multiplexing equipment must be ordered at the Company's STP. CCSAC orders are subject to the provisions (e.g., access order intervals, modification charges, cancellation charges and minimum periods) specified in Section 5, preceding.

When a customer orders CCSAC in association with other services (e.g., Feature Group D or CST3 with SS7 Out of Band Signaling for call set up or LIDB) separate orders shall be issued.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (Cont'd)**

#### **20.1.6 SERVICE PROVISIONING**

CCSAC transmission specifications, diversity requirements, testing parameters and design requirements for STP Links (i.e., CCS Signaling Links) are set forth in Technical References GR-905-CORE, GR-954-CORE and Qwest Corporation Technical Publication PUB 77342. CCSAC network interface specifications between the Company STP location and the customer's STP location supporting Integrated Services Digital Network (ISDN) signaling are described in Technical Reference GR-905-CORE. CCSAC is provided from either the customer's Signaling Point (SP) which requires a minimum of two STP Links and two STP Ports or from the customer's Signaling Transfer Point (STP) which requires a minimum of four STP Links and four STP Ports. A group of signaling links that connect the same two signaling points is described as a link set. There are a maximum of 16 signaling links located within one link set. The quantity of CCS Links required is based upon diversity requirements. Diversity is provided as mutually agreed upon by the Company and the customer based upon the availability of facilities from the customer's SPOI location to the Company's STP. If applicable, Tariff F.C.C. No. 2 Special Construction regulations and charges apply.

#### **20.1.7 PERFORMANCE REQUIREMENTS**

The Company supports the performance standards for CCSN as defined in Technical Reference GR-905-CORE and Qwest Corporation Technical Publication PUB 77342. The overall end-to-end CCSN network objective from any SP to any other SP is less than ten minutes unavailable access per year based on design and diversity requirements and the performance objective for any single SP, including a Service Control Point (SCP), is less than three minutes unavailable access per year. The combined link set from the SCP to the Signal Transfer Point (STP) has a performance objective of less than two minutes unavailable access per year.

The Company will administer its CCSN network to ensure acceptable service provision levels. The Company maintains the right to apply protective controls to its CCSN as a result of occurrences such as failure or overload of CCSN facilities, natural disasters, mass calling or national security demands. In the event that the protective controls applied by the Company result in the complete loss of CCSAC service by the customer, the customer will be entitled to a credit allowance for Switched Access service interruptions as set forth in 2.4.4, preceding.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (Cont'd)**

#### **20.1.8 TESTING REQUIREMENTS**

##### **A. Acceptance Testing Requirements**

At no additional charge, the Company will cooperatively test with the customer, at the time of installation, network compatibility and other operational tests for CCSAC as described in Technical References GR-905-CORE and Qwest Corporation Technical Publication PUB 77342.

When Clear Channel Capability on CST3 or FGD service is ordered as described in 6.3.1, preceding, the Company will cooperatively test with the customer, at the time of installation, CCSAC network compatibility and other operational tests for ISDN interworking as described in Technical Reference GR-905-CORE at no additional charge.

Successful completion and acceptance of all testing requirements must occur in order to receive CCSAC service.

##### **B. Additional Cooperative Acceptance Testing Requirements**

Additional Cooperative Acceptance Testing and the applicable rates and charges, as described in 13.3, preceding, shall be performed on a cooperative basis with the customer. Additional Cooperative Acceptance tests for CCSAC are described in Technical References GR-905-CORE and Qwest Corporation Technical Publication PUB 77342.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.2 CCSAC SERVICE APPLICATIONS**

#### **20.2.1 CALL SET-UP**

This application provides the customer the capability to send originating and terminating call set-up signaling information, via ISUP messages, between the customer's designated premises, the Company's STP and other entities in association with message telecommunications service.

Call Set-Up may be associated with calls that utilize the Company's switched access network or may be associated with calls that do not utilize the Company's switched access network. If the message trunks are provided by the Company, the customer must order the associated CST3 or Feature Group D trunks with SS7 Out of Band Signaling option as set forth in Section 6, preceding. Call Set-Up associated with calls that do not utilize the Company's switched access network is referred to as transient call set-up and the customer must have message trunks with SS7 capabilities. CCSAC Service as set forth in this section is required to provide both capabilities.

#### **20.2.2 FOREIGN DATA BASE QUERIES**

This service provides the customer the ability to query foreign data bases (data bases not maintained by the Company) by sending signaling information via TCAP messages between the Company's STP, the customer's designated premises and foreign databases (those not owned by the Company). CCSAC Service as set forth in this section is required to provide this capability.



## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.2 CCSAC SERVICE APPLICATIONS**

#### **20.2.3 LINE INFORMATION DATA BASE SERVICE**

##### **A. General Description**

The Company's Line Information Data Base (LIDB) contains information about working telephone numbers or accounts that can be used by the customer to facilitate completion of calls. LIDB is available for both Validation Service and OLNS Service as described in 1. and 2., following. LIDB is accessed via the Company's CCSAC. A customer requesting LIDB for Validation and/or OLNS must order CCSAC as set forth in 20.1, preceding, and LIDB as set forth following. Once LIDB is established, the customer has access to both Validation and OLNS applications.

A customer requesting LIDB information originates a LIDB query from the customer's Operator Service System (OSS) identified by the Service Switching Point (SSP) Originating Point Code (OPC) to the Regional STP pair as designated by the Company. The customer's OPC is translated in the STP. The STP translation process validates the OPC and routes the query to and from the Service Control Point (SCP) which stores all LIDB information. OPC data is recorded in the SCP and later used by the Company to bill the customer the applicable rates as set forth in 20.3, following.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.2 CCSAC SERVICE APPLICATIONS**

#### **20.2.3 LINE INFORMATION DATA BASE SERVICE (Cont'd)**

##### **B. LIDB Applications**

###### **1. Validation Service**

Validation Service allows the LIDB customer to validate account information in the Company's LIDB. Validation Service is provided in support of Alternate Billing Service such as calling card, collect calls, and third number billing. Alternate Billing Service allows customers' end users the ability to bill calls to an account other than the account associated with the originating calling number. All LIDB queries for Validation Service are transported uniformly to the Company's LIDB where the following functions are performed:

- validation of the 14 digit telecommunications calling card account number stored in LIDB,
- determination of whether the billed line has decided in advance to reject certain calls billed as collect and/or to a third number,
- determination of the billed line as a pay telephone (i.e., public or semi-public) or a nonworking telephone number,
- determination of central office codes as active or vacant.

The Company will provide to LIDB customers, upon request, the Billing Name and Address (BNA) information related to a Company calling card when LIDB call attempt activity for a specific account exceeds the Company's designated fraud control threshold level. BNA information provided to a LIDB customer is to be used exclusively for resolving the fraud investigation case and for billing the calling party for telecommunications services and collecting the amount due.

**20. COMMON CHANNEL SIGNALING NETWORK**

**20.2 CCSAC SERVICE APPLICATIONS**

**20.2.3 LINE INFORMATION DATA BASE SERVICE**

**B. LIDB Applications (Cont'd)**

**2. OLNS Service**

OLNS allows a customer to query the Company's LIDB to identify originating screening profiles for working telephone numbers. When the customer sends a properly formatted OLNS query, the Company will provide the originating screening information residing in LIDB that can be utilized for call processing and billing associated with the originating line.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.2 CCSAC SERVICE APPLICATIONS**

#### **20.2.3 LINE INFORMATION DATA BASE SERVICE (Cont'd)**

##### **C. LIDB Ordering Requirements**

When a customer orders LIDB initially for Validation Service and/or OLNS, the customer must specify, per access order, the LIDB Originating Point Code(s), Location Identification Code(s) and projected percent of interstate use that will access the Company's LIDB. LIDB orders are subject to the provisions (e.g., access order intervals, modification charges, cancellation charges and minimum periods) as specified in Section 5, preceding. If the customer has existing Validation Service they have the capability to obtain the OLNS information. However, the customer must notify the Company that they will be utilizing LIDB for OLNS. The customer does not have to submit an actual order.

##### **D. LIDB Provisioning**

LIDB is accessed via the Company's CCSAC. LIDB customers must arrange CCSAC access as set forth in 20.1, preceding. Technical Specifications for LIDB Service are described in Technical References GR-954-CORE, GR-1158-CORE and in Qwest Corporation Technical Publication PUB 77342. All query messages destined for the Company's LIDB require a routing indicator to be set for further Global Title Translations (GTTs). The Company performs the final GTT. The Company will provide to the customer all necessary network accessing information (e.g., regional STP point codes, SCP point codes, sub system number, physical points of interconnection, signal link codes, identity of interconnecting link sets, primary and alternate routes) of the Company's LIDB application.

The Company's LIDB contains a record for all working line numbers, active Company calling card data, line numbers which contain billed number screening (BNS) restrictions, Public Access Line numbers, vacant and active Billed Number Groups and OLNS information. End users may confirm the billed number screening indicators residing in the Company's LIDB by contacting the Company through their normal business office channels. These records are updated on a routine basis and an immediate basis as described following:

##### **1. Routine Updates**

The Company will update LIDB on a daily basis for service order processing changes (e.g., new service, disconnects, moves, modifications, cancellations and nonpayment of an account).

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.2 CCSAC SERVICE APPLICATIONS**

#### **20.2.3 LINE INFORMATION DATA BASE SERVICE**

##### **D. LIDB Provisioning (Cont'd)**

##### **2. Immediate Updates**

The Company has procedures to update LIDB as requested by the customer. These updates are processed the same day as requested by the customer.

The Company has procedures to deactivate (i.e., automatically and manually) a Company calling card number when call attempt activity exceeds the Company's designated usage threshold level over a given period of time. All Company calling card call attempts are monitored against the Company's designated usage thresholds. These thresholds are based upon classes of service and generate warning messages to identify potential calling card fraudulent activity.

The Company will monitor and deactivate Company calling card numbers seven (7) days a week, twenty-four (24) hours a day. Company calling cards determined by the Company as being fraudulently used and/or reported to the Company as lost or stolen will be deactivated within two hours from the time the fraud was determined and/or reported.

The Company will provide to LIDB customers, upon request, the Billing Name and Address (BNA) information related to a Company calling card when LIDB call attempt activity for a specific account exceeds the Company's designated fraud control threshold level. BNA information provided to a LIDB customer is to be used exclusively for resolving the fraud investigation case and for billing the calling party for telecommunications services and collecting the amount due.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.2 CCSAC SERVICE APPLICATIONS**

#### **20.2.3 LINE INFORMATION DATA BASE SERVICE (Cont'd)**

##### **E. LIDB Limitations**

All information residing in the LIDB is proprietary. Proprietary data residing in the Company's LIDB is protected from unauthorized access and may not be stored by customers in a customer's data base for any reason. Examples of proprietary information residing in the Company's LIDB are:

- Billed (Line/Regional Accounting Office) Number
- Personal Identification Number(s)
- Billed Number Screening Indicators
- Class of Service
- Information related to billing LIDB usage
- OLNS Indicators

All customer information (e.g., calling number and called number) received from the LIDB customer is used only for the purposes of billing and/or to assist the Company in toll fraud detection.

##### **F. LIDB Performance Requirements**

The Company supports the LIDB performance standards as defined in Technical References GR-954-CORE, GR-1158-CORE and Qwest Corporation Technical Publication PUB 77342. LIDB Service outage time will be less than twelve hours per year. LIDB is capable of processing up to 100 validation queries per second. The per query response time from switch transmission to reception should not exceed one second for ninety-nine (99) percent of all queries. During periods of LIDB system congestion, an automatic code gapping procedure will be utilized to control such congestion. The automatic code gapping procedure directs the switches' gap level (i.e., how long the switch should wait before sending another query) and the duration (how long the switch should continue to perform gapping). During system congestion, the automatic code gapping will begin to drop a percentage of the queries received uniformly to all LIDB users based upon the level of system congestion.

The Company maintains the right to invoke manual intervention of the automatic code gapping procedure to preserve the integrity of the network. In the event that the protective controls applied by the Company result in the complete loss of LIDB service by the customer, the customer will be entitled to a credit allowance for Switched Access service interruptions as set forth in 2.4.4, preceding.

**20. COMMON CHANNEL SIGNALING NETWORK**

**20.2 CCSAC SERVICE APPLICATIONS**

**20.2.3 LINE INFORMATION DATA BASE SERVICE (Cont'd)**

**G. LIDB Testing Requirements**

**1. Acceptance Testing Requirements**

At no additional charge, the Company will cooperatively test with the customer, at the time of installation, network compatibility and other operational tests for LIDB as described in Technical Reference GR-954-CORE and Qwest Corporation Technical Publication PUB 77342.

Successful completion and acceptance of all testing requirements must occur in order to receive LIDB service.

**2. Additional Cooperative Acceptance Testing Requirements**

Additional Cooperative Acceptance Testing with the applicable rates and charges, as described in 13.3, preceding, shall be performed on a cooperative basis with the customer. Additional Cooperative Acceptance tests for LIDB are described in Technical References GR-954-CORE, GR-1158-CORE and in Qwest Corporation Technical Publication PUB 77342.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.2 CCSAC SERVICE APPLICATIONS**

#### **20.2.3 LINE INFORMATION DATA BASE SERVICE (Cont'd)**

##### **H. LIDB Rate Categories and Applications**

Query charges as described following, are assessed for each query to the LIDB SCP for both Validation Service and OLNS. Messages charges are not assessed when query charges apply. Rates and charges for LIDB are set forth in 20.3.2, following.

##### **1. LIDB Access Transport Query**

The Access Transport Query represents the transport from the STP to the SCP and back. The LIDB Access Transport Query rate is applicable to all completed queries for each application regardless of the results of the query.

##### **2. Validation Service Query**

The Validation Service Query represents the actual verification of LIDB information. The query rate, which is in addition to the LIDB Access Transport Query, is applicable to all completed queries for billing validation data regardless of the results of the validation.

##### **3. OLNS Service Query**

The OLNS Service Query rate applies to each query received at the Company's LIDB for the identification of originating line number screening information. This OLNS Service Query is in addition to the LIDB Access Transport Query.

##### **4. Service Rearrangements**

Any change in LIDB Service shall be treated as a discontinuance of the existing service and an installation of a new service except as set forth following.

When the customer has existing LIDB Service and chooses to add or change a point code for the associated existing CCSAC link(s), a CCSAC Option Activation charge applies to change the point code in the STP as set forth in 20.1.3, preceding.



## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.2 CCSAC SERVICE APPLICATIONS (Cont'd)**

#### **20.2.4 LOCAL NUMBER PORTABILITY DATA BASE SERVICE**

##### **A. General**

The Company's Local Number Portability (LNP) data base contains Location Routing Number (LRN) information for a telecommunication service user's choice of Local Service Provider by NXX code. Each LRN is unique to the LSP's serving switch that will complete the call. Customers may access the Local Number Portability data base information as set forth in 13.19.1, preceding, or by utilizing the Company's CCSAC as set forth in 20.1, preceding.

##### **B. Ordering Requirements**

When a customer utilizes CCSAC links to receive LNP data base information, the customer must specify, per access order, the LNP Point Code(s), Location Identification Code(s) and projected percent of interstate use that will access the Company's LNP data base.

##### **C. Provisioning Requirements**

LNP customers using CCSAC as set forth in 20.1, preceding, must specify a routing indicator to be set for further Global Title Translations (GTTs). The Company performs the final GTT. The Company will provide to the customer all necessary network accessing information (e.g., territorial STP codes, SCP point codes, sub system number, physical points of interconnection, signal link codes, identity of interconnecting link sets, primary and alternate routes) of the Company's LNP application.

The Company's LNP data base records are available 7 days a week, 24 hours a day. The Company's LNP data base is updated based on the national standards adopted by the North American Numbering Council (NANC) for local number portability data base administrators who are responsible for the Regional Service Management System/Number Portability Administration Center.

## **20. COMMON CHANNEL SIGNALING NETWORK**

### **20.2 CCSAC SERVICE APPLICATIONS**

#### **20.2.4 LOCAL NUMBER PORTABILITY DATA BASE SERVICE**

##### **C. Provisioning Requirements (Cont'd)**

LNP data base information is proprietary and protected from unauthorized access. Customers may not store any LNP data base information in their own data base or elsewhere for any reason. The LNP data base is accessed on a call by call basis and cannot be used for purposes other than those functions described herein.

##### **D. Testing Requirements**

At no additional charge, the Company will cooperatively test with the customer, at the time of installation, network compatibility and other operational tests for those customers utilizing Company CCSAC Links to reach the Company's LNP data base.

##### **E. Performance Requirements**

The Company will administer its network to ensure the provision of acceptable service levels to all telecommunications users of the Company's network service. The Company maintains the right to invoke manual or automated protective control intervention to its network on a competitively neutral basis. These controls would generally be applied as a result of occurrences such as failure or overload of Company facilities, customer facilities or other networks, natural disasters, mass calling or national security.

**20. COMMON CHANNEL SIGNALING NETWORK**

**20.2 CCSAC SERVICE APPLICATIONS**

**20.2.4 LOCAL NUMBER PORTABILITY DATA BASE SERVICE (Cont'd)**

**F. Rate Categories**

A LNP Data Base Query Charge as described following is assessed when the customer utilizes CCSAC links to access the Company's LNP data base. Rates and charges for the LNP Data Base Query Charge are set forth in 20.3.3, following.

**1. LNP Data Base Query Charge**

The LNP Data Base Query Charge represents the transport from the STP to the SCP, the query to the LNP data base and back to the originating STP. The LNP Data Base Query Charge is billed on a per query basis regardless of the outcome of the query.

**2. Service Rearrangements**

Any change in LNP CCSAC links shall be treated as a discontinuance of the existing service and an installation of a new service except as set forth following.

When the customer has existing CCSAC links and chooses to add or change a point code for the associated existing CCSAC link(s), a CCSAC Option Activation charge applies to change the point code in the STP as set forth in 20.1.3, preceding.

**20. COMMON CHANNEL SIGNALING NETWORK**

**20.3 RATES AND CHARGES**

**20.3.1 CCSAC**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<b>A. Entrance Facility</b>			
• Per DS1	EFY1X	\$684.00	\$125.00
• Per DS3[1]	EFY3X	—	821.29
<b>B. Direct Link Transport</b>			
<b>MILEAGE BANDS</b>	<b>USOC</b>	<b>MONTHLY RATE FIXED</b>	<b>PER MILE</b>
<b>1. DSO Facility</b>			
0	CCA2A	—	—
Over 0 to 8	CCA2B	\$ 25.60	\$ 0.13
Over 8 to 25	CCA2C	25.60	0.22
Over 25 to 50	CCA2D	25.60	0.26
Over 50	CCA2E	25.60	0.35
<b>2. DS1 Facility</b>			
0	CCA1A	—	—
Over 0 to 8	CCA1B	59.29	3.36
Over 8 to 25	CCA1C	67.63	4.94
Over 25 to 50	CCA1D	93.10	7.46
Over 50	CCA1E	130.00	10.62
<b>3. DS3 Facility[1]</b>			
0	CCA3A	—	—
Over 0 to 8	CCA3B	310.00	43.00
Over 8 to 25	CCA3C	350.00	43.00
Over 25 to 50	CCA3D	380.00	44.00
Over 50	CCA3E	410.00	50.00

[1] For Shared Use only as set forth in Section 2.7, preceding.

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**20. COMMON CHANNEL SIGNALING NETWORK**

**20.3 RATES AND CHARGES**

**20.3.1 CCSAC (Cont'd)**

C. CCS Link

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• First CCS Link	NRBS1	\$567.00	—
• Each additional	NRBSA	180.00	—

D. STP PORT, per port	PT8SX	—	\$465.00
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E. Multiplexing

• DS1 to Voice	QMVXX	—	268.00
• DS3 to DS1[1]	QM3XX	—	310.00

F. CCSAC Option Activation Charge

• Basic Translations, per order

- First point code	NRB7P	139.00	—
- Each additional point code	NRB7Q	9.50	—

• Data Base Translations, per order

- First point code	NRBL6	158.00	—
- Each additional point code	NRBL7	57.00	—

[1] For Shared Use only as set forth in Section 2.7, preceding.

**20. COMMON CHANNEL SIGNALING NETWORK**

**20.3 RATES AND CHARGES**

**20.3.1 CCSAC (Cont'd)**

	<b>RATE</b>
G. Message Charge	
1. Signal Formulation	
• ISUP, Per call set-up request	\$0.000829
2. Signal Transport	
• ISUP, Per call set-up request	0.000559
• TCAP, Per data request	0.000418
3. Signal Switching	
• Per ISUP, Per call set-up request	0.001162
• Per TCAP, Per data request	0.000460

**20. COMMON CHANNEL SIGNALING NETWORK**

**20.3 RATES AND CHARGES (Cont'd)**

**20.3.2 LINE INFORMATION DATA BASE SERVICE**

	<b>RATE PER QUERY</b>
• Per Access Transport Query	\$0.000484
• Per Validation Service Query	0.034000
• Per OLNS Service Query	0.014179

**20.3.3 LOCAL NUMBER PORTABILITY DATA BASE SERVICE**

• Per LNP Query	0.000747
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**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.1 GENERAL**

Expanded Interconnection-Collocation (EIC) Service provides for wire center interconnection of the following Company-provided interstate services to an interconnection-collocation arrangement utilizing interconnector-owned basic transmission terminating equipment (IDE):

- Private Line Transport Service (PLTS)
  - Analog PLTS, as set forth in 21.2.1, following,
  - DDS Service,
  - DS1 Service,
  - DS3 Service or
  - CO Multiplexing Optional Feature
- Switched Access Service
  - DS1 capacity,
  - DS3 capacity or
  - Multiplexing Optional Feature
- Frame Relay Service (FRS)
  - 56 or 64 kbps and
  - 1.544 Mbps
  - 45 Mbps
- *QWEST DSL HOST* Service
  - 1.544 Mbps and
  - 45 Mbps
- ATM Service
  - 45 Mbps

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**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.1 GENERAL (Cont'd)**

EIC Service is accomplished through an interconnection-collocation arrangement. The Company is solely responsible for the determination of whether an interconnection-collocation arrangement is available from its wire center. Each wire center where an interconnection-collocation arrangement is available, is identified in the National Exchange Carrier Association Inc., Tariff F.C.C. No. 4.

## **21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

### **21.1 GENERAL (Cont'd)**

EIC Service is provided pursuant to the regulations, rates and charges contained in this Tariff and in accordance with Qwest Corporation Technical Publication PUB 77386.

Connectivity of Company-provided interstate services to an interconnection-collocation arrangement is provided utilizing an Expanded Interconnection Channel Termination (EICT) as set forth in 21.2.1, following.

The Company will provide interstate interconnection at an applicable standard channel interface (e.g., Voice Grade, DDS, 1.544 Mbps or a 44.736 Mbps, transmission rate) as specified by the customer. CO multiplexing arrangements for EIC Service may be ordered as set forth in 21.2.1, following.

When EIC Service is connected to Company FRS, the FRS customer-provided terminal equipment must conform to standards for FRS as set forth in Section 8, preceding. The customer is responsible for ensuring equipment compatibility between the customer terminal equipment and the FRS equipment used by the Company.

When EIC Service is connected to Company *QWEST DSL HOST* Services, the *QWEST DSL HOST* Service customer-provided terminal equipment must conform to standards for *QWEST DSL HOST* Services as set forth in Section 8, preceding. The customer is responsible for ensuring equipment compatibility between the customer terminal equipment and the *QWEST DSL HOST* Services equipment used by the Company.

When EIC Service is connected to Company ATM Service, the ATM customer-provided terminal equipment must conform to standards for ATM Service as set forth in Section 8, preceding. The customer is responsible for ensuring equipment compatibility between the customer terminal equipment and the ATM equipment used by the Company.

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## **21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

### **21.1 GENERAL (Cont'd)**

EIC Service has the following customer of record (COR) requirements:

- The interconnector-owned fiber optic facility and IDE must be ordered by and billed to the same COR,
- The EICT and its associated Company-provided interstate service(s) may be ordered by and billed to the COR of the IDE.
- The EICT may be ordered by and billed to a designated COR when the customer has obtained a letter of authorization (LOA) from the COR of the IDE and provides the LOA to the Company before ordering the EICT. In addition, the interstate service(s) connected to the EICT may be ordered and billed to either the interstate service customer of record, the designated EICT customer of record or the COR of the IDE.
- CO multiplexing requested for an EICT must be ordered by and billed to the EICT customer of record.

The interconnector-owned fiber optic facility and IDE must be installed before any EICTs may be ordered. Customers are responsible for the coordination required (e.g., equipment compatibility) between different EICT CORs and the COR for the interconnector-owned fiber optic facility and IDE .

Trouble reports will only be accepted from the COR of the specific component reported as inoperative. The Company will test the reported service and if no trouble is found on Company facilities (e.g., EICT), a Maintenance of Service charge will apply as set forth in Section 13, preceding. Customers are responsible for all coordination required as a result of inoperative services involving different CORs. Disputes regarding out of service reports and credit allowances, must be settled between customers. If trouble is found in a Company-provided facility used to provide service, a credit allowance for service interruption may apply as set forth in 2.4.4, preceding.

Credit allowances will not apply for any Access Services tested and found without trouble on Company-provided facilities connected to interconnector-owned fiber optic facilities and/or IDE that is inoperative.

## **21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

### **21.2 SERVICE DESCRIPTIONS**

#### **21.2.1 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND INTERCONNECTION TIE PAIRS**

An Expanded Interconnection Channel Termination (EICT) or Interconnection Tie Pair (ITP) is a Company-provided Channel Termination for the communications path between an IDE and Company-Provided PLTS Service, FRS, *QWEST DSL HOST* Service, ATM, or Switched Access Service. An EICT may include regeneration. Regeneration maintains the integrity of the transmitted signal. An ITP does not include regeneration. For the purposes of ordering, there are Private Line Transport Service or Switched Access Service EICTs and ITPs. (T)

EICTs and ITPs are connected to Company Access Services as set forth following:

- Private Line Transport Service EICT Analog PLTS, EICT DDS, EICT 1.544, ITP 1.544, EICT 44.736 Mbps or 45 Mbps, or ITP 44.736 Mbps or 45 Mbps may be connected, respectively, to Company Analog PLTS (i.e., LS1, LS2, DC, TG1, TG2, VG), DDS, DS1 or DS3 Services within a Company wire center.

Private Line Transport Service EICT DDS, may be connected to Company FRS. An ITP 1.544, EICT 1.544, ITP 44.736, and EICT 44.736 Mbps may be connected to Company FRS or *QWEST DSL HOST* Service, and an EICT 45 Mbps or ITP 45 Mbps may be connected to Company ATM. (T)

When FRS, ATM CRS, or *QWEST DSL HOST* Service are connected to an EICT or ITP, it is in lieu of an FRS, ATM, or *QWEST DSL HOST* Service Access Link as set forth in Section 8, preceding. (T)

PLTS EICT DS1, EICT DS3, ITP DS1, or ITP DS3 may be connected to Switched Access Service DS1 or DS3 capacity within a Company wire center. When a PLTS EICT or ITP DS1 or DS3 connects to Switched Access Service DS1 or DS3 capacity, Shared Use Regulations as set forth in 2.7, preceding, apply.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.2 SERVICE DESCRIPTIONS**

**21.2.1 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND  
INTERCONNECTION TIE PAIRS (Cont'd)**

- Switched Access Service EICT DS1, EICT DS3, ITP DS1, and ITP DS3 must be connected to Switched Access Service DS1 or DS3 capacity within a Company wire center. When a Switched Access Service EICT or ITP connects to Switched Access DS1 or DS3 capacity, the Switched Transport Entrance Facility is not required.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.2 SERVICE DESCRIPTIONS**

**21.2.1 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND  
INTERCONNECTION TIE PAIRS (Cont'd)**

**A. Types of Expanded Interconnection Channel Terminations and Interconnection Tie Pairs**

**1. EICT Analog PLTS**

EICT Analog PLTS is a channel for the transmission of data having the transmission characteristics according to the electrical signal of the applicable PLTS Service ordered from Section 7, preceding.

An EICT Analog PLTS is provided between the IDE and Company PLTS Analog (i.e., LS1, LS2, DC, TG1, TG2, VG) Service ordered from Section 7, preceding.

The IDE installed in a Company wire center must include multiplexing to derive channel interfaces compatible with the applicable Analog PLTS.

An EICT Analog PLTS will interface with an Analog PLTS electrical signal, and if compatible, with the channels of DS1 to Voice and Digital Data Multiplexing (channel banks) common to Company wire centers. There are no precise interface standards for this connection but there are equipment standards which, if followed, will cause the channel parameters at the access channel network interface to conform to the Analog PLTS as ordered from Section 7, preceding.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.2 SERVICE DESCRIPTIONS**

**21.2.1 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND INTERCONNECTION TIE PAIRS (Cont'd)**

**A. Types of Expanded Interconnection Channel Terminations and Interconnection Tie Pairs (Cont'd)**

**2. EICT DDS**

EICT DDS is a channel for the transmission of Digital Data Service at the rate of 2.4, 4.8, 9.6, 19.2, 56 or 64 kbps. EICT DDS can be utilized for connection to FRS for the transmission rate of 56 or 64 kbps.

An EICT DDS is provided between the IDE and Company PLTS DDS Service ordered from Section 7, preceding. CO multiplexing for the EICT may be ordered from Section 7, preceding, by the EICT customer.

An EICT DDS will interface with the PLTS Digital Data Service electrical signal, and if compatible, with the channels of DS1 to Voice and Digital Data Multiplexing (channel banks) common to Company wire centers. There are no precise interface standards for this connection but there are equipment standards, which if followed, will cause the channel parameters at the access channel network interface to conform to the PLTS Digital Data Service as ordered from Section 7, preceding. The IDE used to connect to an EICT DDS, or FRS 56 or 64 kbps port must utilize compatible multiplexers connected to the Company composite clock in each wire center.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.2 SERVICE DESCRIPTIONS**

**21.2.1 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND INTERCONNECTION TIE PAIRS (Cont'd)**

A. Types of Expanded Interconnection Channel Terminations and Interconnection Tie Pairs (Cont'd)

3. EICT 1.544 and EICT DS1

EICT 1.544 and EICT DS1 are high capacity channels for the transmission of 1.544 Mbps isochronous serial data having a line code of bipolar with alternate mark inversion or Bipolar with Eight Zero Substitution (B8ZS). The 1.544 Mbps signal consists of 1.536 Mbps of customer information and .008 Mbps signal for other use, (e.g. framing and synchronization).

An EICT 1.544 is provided between the IDE and Company PLTS DS1 Service and the EICT DS1 is provided between the IDE and Company Switched Access Service DS1 capacity. CO multiplexing for the EICT may be ordered from Sections 6 and 7, preceding, by the EICT customer.

An EICT 1.544 is also provided between the IDE and Company FRS ordered from Section 8, preceding. The EICT 1.544 must be used when the customer is ordering customer-selected User-To-Network Information Transfer (UNIT) or Network-To-Network Information Transfer (NNIT) for a Committed Information Rate (CIR) of 112 kbps through 1.544 Mbps.

An EICT 1.544 Mbps is also provided between the IDE and Company *QWEST DSL HOST* Service ordered from Section 8, preceding.

4. EICT 44.736 Mbps or 45 Mbps, and EICT DS3

EICT 44.736 Mbps or 45 Mbps, and EICT DS3 are high capacity channels for the transmission of 44.736 Mbps isochronous serial data having a line code of Bipolar with Three Zero Substitution (B3ZS).

An EICT DS3 is provided between the IDE and Company PLTS DS3 Service or Switched Access Service DS3 capacity while an EICT 44.736 or 45 Mbps is provided for *QWEST DSL HOST* Service, FRS and ATM. CO multiplexing for the EICT may be ordered from Sections 6 and 7, preceding, by the EICT customer.

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**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.2 SERVICE DESCRIPTIONS**

**21.2.1 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND INTERCONNECTION TIE PAIRS**

**A. Types of Expanded Interconnection Channel Terminations and Interconnection Tie Pairs (Cont'd)**

**5. ITP at 1.544 Mbps and ITP DS1**

An ITP at 1.544 Mbps and ITP DS1 are provided between the IDE and Company provided service. They deliver an attenuated signal as specified in Qwest Corporation Technical Publication PUB 77386. This ITP may also apply when associated with FRS and *QWEST DSL HOST* Service.

**6. ITP at 44.736 Mbps or 45 Mbps and ITP DS3**

An ITP at 44.736 or 45 Mbps and ITP DS3 are provided between the IDE and Company provided service. They deliver an attenuated signal as specified in Qwest Corporation Technical Publication PUB 77386. This ITP may also apply when associated with FRS, *QWEST DSL HOST* Service, and ATM.

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**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.1 GENERAL REGULATIONS**

- A. The regulations for Shared Use set forth in 2.7, preceding, are applicable for the EICT and ITP provided under VEIC Service.
- B. The offering of VEIC Service contemplates the use of existing Entrance Facilities. There may be occasions where the VEIC Service is not available due to these structure limitations, or where it may be necessary to construct such facilities. Should additional Entrance Facilities be desired for immediate VEIC Service, all costs of constructing such structures will be included in the applicable nonrecurring charges as set forth in 21.4, following. The Company will offer two points of entry to a particular wire center to interconnectors only if the Company has at least two Company cable entry points. However, where all but one of the entry points are at capacity, the Company will provide only one entry point.
- C. The regulations described herein are in addition to the terms and conditions found elsewhere in this Tariff. The Company's obligation to prepare a quotation for VEIC Service is contingent upon the Company's receipt of a Quotation Preparation Fee (QPF) and VEIC Order Form. The Company's obligation to provide VEIC Service after receipt of the QPF and VEIC Order Form is contingent upon receipt of the signed Quotation Summary form and nonrecurring charges as set forth in 21.4, following.
- D. VEIC Order Form
  - 1. The VEIC Order Form defines the structure necessary to allow entrance into the Company wire center for VEIC Service. This information needs to include, but is not limited to, company name, address, contact name and telephone number, wire center address, interconnector fiber optic facility information and the specified interconnector-designated basic transmission terminating equipment.
  - 2. Microwave VEIC Service is ordered on a VEIC Microwave Order Form.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.1 GENERAL REGULATIONS (Cont'd)**

- E. The Company will not extend Dark Fiber, as set forth in Section 18, preceding, to IDE nor connect PLTS or Switched Access Service EICTs or ITPs to Company Dark Fiber.
- F. EICTs and ITPs can be ordered by and billed to the customer of record of the IDE and interconnector-owned fiber optic facility at the Company-designated point of interconnection serving the wire center or as set forth in 21.1, preceding.
- G. The Company will work cooperatively with the customer of record of the IDE and interconnector-owned fiber optic facility in matters of joint testing and maintenance, as set forth in Section 13, preceding. When the customer of record of the IDE and interconnector-owned fiber optic facility is different from the customer of record of the EICT or ITP, the customers are responsible for any coordination required in the matters of testing and maintenance.
- H. VEIC Common Components as set forth in 21.5.3, following, are not subject to Shared Use regulations as set forth in 2.7, preceding.
- I. The Company is not required to purchase plant or equipment, relinquish forecasted space or facilities, or undertake the construction of new quarters or construct additions to existing quarters in order to satisfy an interconnector's request.
- J. The Company is not required to connect interconnector facilities with any Company service (e.g., DS3) at a particular wire center when the Company does not offer that service at that wire center.
- K. The interconnector will construct its fiber optic facility to the Company-designated point of interconnection serving the wire center.
- L. The Company will work in conjunction with the interconnector to splice the interconnector's fiber optic facility to the Company's fiber optic facility at the Company-designated point of interconnection serving the wire center. The interconnector will not have physical access to the Company wire center building.

**21. EXPANDED INTERCONNECTION**

**- COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.1 GENERAL REGULATIONS (Cont'd)**

- M. The interconnector will pay for the use of the VEIC Entrance Facilities as described in 21.4, following.
- N. Equipment and construction costs necessary to provide VEIC Service will be recovered under the appropriate nonrecurring charges as set forth in 21.5, following.
- O. The interconnector will be responsible for obtaining and providing to the Company administrative codes, e.g., common language codes, for all equipment specified by the interconnector and installed in wire center buildings. These codes, commonly obtained from the equipment manufacturer or Telcordia, must be consistent with those used by the Company.
- P. The interconnector will be responsible for payment of training for the maintenance, operation and installation of the IDE when the IDE is different than the equipment used by the Company. VEIC Training charges are described in 21.4, following.
- Q. The interconnector will be responsible for payment of charges incurred in the maintenance and/or repair of the IDE as set forth in 21.4, following.
- R. The Company does not guarantee the reliability of any IDE. The Company will work cooperatively with the customer to resolve any incompatibilities between equipment types.
- S. For VEIC utilizing SONET technology, the customer is responsible to ensure functionality between different vendors' equipment.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.1 GENERAL REGULATIONS (Cont'd)**

- T. Should the customer choose to utilize a reconfiguration software with IDE, the customer is totally responsible for providing the connecting facility assignment and tracking the same.
- U. The Company will work with the customer to ensure that the IDE is engineered, standard-designed and installation detailed-designed to meet both the customer's specified needs and to ensure compatibility with Company equipment and operating systems.
- V. For VEIC Maintenance Labor, Inspector Labor, Engineering Labor and Equipment Labor, business hours are considered to be Monday through Friday, 8:00 a.m. to 5:00 p.m. and after business hours are after 5:00 p.m. and before 8:00 a.m., Monday through Friday, all day Saturday, Sunday and holidays.
- W. The interconnector shall not rearrange, move, disconnect, remove or attempt to repair any facilities contained in a Company-owned facility housing (e.g., above ground cabinets, under ground utility vaults, utility hole, hand hole, etc.) except with prior written consent and presence of a Company-designated inspector.
- X. The Central Office Connecting Channel (COCC) rate element does not apply to connections to EIC Service.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE (Cont'd)**

**21.3.2 APPLICATION FOR VIRTUAL EIC**

- A. The customer of record for the IDE and interconnector-owned fiber optic facility must provide to the Company a Quotation Preparation Fee (QPF) for each specific wire center requested, along with a completed VEIC Order Form, as specified in 21.3.1, preceding.

The QPF and VEIC Order Form must be sent to the Company via courier, U.S. Mail or hand delivered to:

Qwest Corporation  
Expanded Interconnection-Collocation  
EIC Product Manager  
1801 California St., Rm. 2330  
Denver, CO 80202

The QPF will be used to cover the cost of all activities required to determine the quotation specific to the interconnector's request. The QPF will be refunded if a request for VEIC is unable to be met by the Company.

- B. The Company will process applications on a first-come, first-served basis as determined by the receipt of the QPF and VEIC Order Form.
- C. An Access Order is required for all EICT and ITP requests.
- D. A bona fide request for a new type of EICT or ITP shall at a minimum, reference the applicable tariffed service, either Switched or PLTS, as well as describing the specific interface the interconnector requires.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE (Cont'd)**

**21.3.3 INVENTORY, QPF AND CANCELLATION OF SERVICE**

- A. Upon receipt of the VEIC Order Form and QPF, the Company will determine the availability of VEIC Entrance Facilities to meet the interconnector's requirements. The Company will respond to the interconnector within five (5) business days as to the ability of the Company to accommodate the interconnector's request for VEIC Service. If the requested wire center is not currently listed in National Exchange Carrier Association Inc., Tariff F.C.C. No. 4 as offering VEIC Service, the response will be no more than fifteen (15) business days.
- B. Once the interconnector is notified that VEIC Entrance Facilities are available, the Company will begin work activities to prepare a quotation for the interconnector's request according to the information set forth on the VEIC Order Form. Within twenty five (25) business days of the written notice, the interconnector will be provided a final quotation in writing, except as set forth in I., following, of all nonrecurring charges for the VEIC Service, excluding EICT charges.
- C. The interconnector shall have thirty (30) calendar days from the date the Company mails the quotation to the interconnector to respond. During that 30 day period, the VEIC Entrance Facilities will be reserved for the interconnector. If the Company does not receive an acceptance of the quotation within the specified period, the request will be closed and the VEIC Entrance Facilities will be returned to available inventory.
- D. The interconnector agrees to meet with the Company, if requested, to review design and construction work plans and establish schedules for the installation of the IDE.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.3 INVENTORY, QPF AND CANCELLATION OF SERVICE (Cont'd)**

- E. 50% of the nonrecurring charges on the quotation (less the QPF) and proof of insurance are due prior to the beginning of any Virtual IDE installation. The nonrecurring charge is payable by check or money order.
- F. The Company will notify the interconnector in writing of the completion of the VEIC Service as set forth on the VEIC Order Form.
- G. The remaining balance of the nonrecurring charges on the quotation is due to the Company on the VEIC due date. The Company will notify the interconnector in advance if the due date is in jeopardy. EICTs and ITPs may not be ordered prior to the VEIC Service due date and receipt of the balance of the nonrecurring charges.
- H. Billing for applicable recurring rates will begin when installation of the IDE has been completed.



**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.3 INVENTORY, QPF AND CANCELLATION OF SERVICE (Cont'd)**

**I. Change Requests Prior to Final Quote**

Any changes, modifications, or additional engineering requested by the interconnector to the type and quantity of the IDE prior to the interconnector receiving the final quotation in writing (by certified U. S. Mail return receipt requested) from the Company may require an additional ten business days to develop the quote.

An interconnector's request to cancel, will result in a refund to the interconnector of the QPF minus all direct costs incurred by the Company at the time the cancellation was received.

**J. Change Requests After the Final Quote**

A change request to increase or decrease the number of plug-in units or type of plug-in units received after the final quote and prior to the installation completion of the IDE will be accepted. All other changes, modifications or additional engineering requested by the interconnector to the type and quantity of IDE after the final quotation with or without receipt of the 50% payment for the applicable VEIC nonrecurring charges (less the QPF), will result in cancellation of the VEIC request.

Cancellation of a VEIC request, as set forth above, or as a result of an interconnector's request to cancel after the final quotation, will result in a refund to the interconnector of the QPF and the paid nonrecurring charges minus all direct costs incurred by the Company. If the IDE is applicable for use on a new quote and VEIC Order Form, the direct costs (e.g., engineering) and paid nonrecurring charges will not be deducted from the original quotation. Should the direct costs incurred on behalf of the interconnector for the canceled order exceed the QPF and paid nonrecurring charges, the excess balance will be billed to the interconnector.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE (Cont'd)**

**21.3.4 IDE TRANSFER OF POSSESSION**

**A. General**

1. When an interconnector purchases IDE and requests VEIC Service with the Company, the following provisions apply. Rates and charges for VEIC Service are set forth in 21.5, following.
2. The interconnector will transfer possession of equipment described in the VEIC Order Form to the Company via a no cost lease subject to the terms and conditions of this Tariff. The sole purpose of the lease is to provide the Company with exclusive possessory rights to the IDE. Title to the IDE shall not pass to the Company at any time.
3. All risk of loss shall be the responsibility of the interconnector, except to the extent as set forth in Section 2, preceding.
4. The interconnector is responsible for providing the Company with OSHA safety requirements associated with the IDE.
5. All installation, maintenance and removal work performed on behalf of the interconnector must be performed by the Company or a Company-authorized vendor. Authorization procedures may be obtained from the Company upon request.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.4 IDE TRANSFER OF POSSESSION (Cont'd)**

**B. Company Possession of IDE**

1. The interconnector shall obtain the IDE described in the VEIC Order Form.
2. The interconnector shall ensure that upon receipt of the IDE by the Company all warranties and access to ongoing technical support are passed through to the Company, all at the interconnector's expense. The interconnector shall advise the manufacturer and seller of the IDE that the IDE will be possessed, installed and maintained by the Company.
3. All IDE installed in Company wire centers must comply with the Telcordia Network Equipment Building System (NEBS) Generic Equipment Requirement GR-63-CORE, Company wire center environmental and transmission standards and any statutory (local, state or federal) and/or regulatory requirements in effect at the time of equipment installation or that subsequently become effective. The interconnector shall provide the Company interface specifications (e.g., electrical, functional, physical and software) of the IDE.
4. When an interconnector purchases IDE and requests the Company to provide VEIC Service, the Company may restrict the type of transmission equipment placed in its wire center (e.g., fiber optic terminals, DS3 and/or DS1 channelization equipment and fiber terminating devices). The Company will evaluate the equipment upon receiving a VEIC request to determine if it is deemed basic transmission terminating equipment. The Company will only receive and possess equipment which it determines is basic transmission terminating equipment conforming to industry standards. Any other equipment will be rejected.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.4 IDE TRANSFER OF POSSESSION**

**B.4. (Cont'd)**

The interconnector must specify all software options for the IDE and associated plug-ins. In addition, the interconnector shall provide the following:

- all necessary connecting cables (i.e., bay-to-bay and shelf-to-shelf), plug-ins and/or circuit packs,
- all necessary fiber interconnection cable and connectors between the IDE and the Company-designated fiber distribution panel of the fiber distribution frame equipment side,
- all necessary cable and connectors from the IDE to the Company's distributing frame designated as the single point of termination (SPOT),
- all unique tools and test equipment for interconnector-designated equipment,
- initial and subsequently added equipment sized and equipped to handle a minimum of 12 months forecasted growth,
- any necessary equipment for remote monitoring and control and
- synchronization (e.g., timing) for the IDE traceable to a stratum one primary reference source.

Should any necessary equipment be defective or not be provided, installation of the interconnector-designated equipment will be halted until such equipment is replaced by the interconnector.

**C. Delivery of IDE and Receipt by the Company**

1. The interconnector shall deliver the IDE to the Company-designated delivery point. The interconnector shall ensure that the IDE is packaged in containers to ensure adequate protection against physical damage, static charge, discharge or deterioration, so as to ensure safe delivery to the Company. The interconnector shall ensure that all containers of IDE packaged and shipped to the Company meet the Company's reasonable packaging and shipping specifications. The Company shall be responsible for warehousing, hauling and hoisting IDE once the equipment is at the Company-designated delivery point.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.4 IDE TRANSFER OF POSSESSION**

**C. Delivery of IDE and Receipt by the Company (Cont'd)**

2. All IDE shall be received subject to the Company's right of inspection and/or rejection. IDE not conforming to the VEIC Order Form specifications or damaged, will be rejected. The equipment will be held for a reasonable time pending the interconnector's instruction. Nonconforming, rejected and/or damaged equipment will be returned to the interconnector at the interconnector's expense.
3. Physical receipt and possession of IDE by the Company prior to inspection shall not constitute a final acceptance by the Company of the IDE and is without prejudice to any claims that the Company may have against the interconnector. The Company shall have all rights relating to inspection, rejection, revocation of acceptance, latent defects and related matters, which are made available to a buyer under the Uniform Commercial Code. This provision shall not be constituted to make the Company a buyer or owner of the IDE.

**D. IDE Installation**

1. At the time of initial installation, the Company will cooperatively perform acceptance testing on the IDE with the interconnector. Acceptance testing parameters (e.g., fiber loss terminal to terminal, terminal to terminal operation, alarming, and protective switching) for IDE will be conducted by the Company in accordance with the IDE manufacturer's recommendations.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.4 IDE TRANSFER OF POSSESSION (Cont'd)**

**E. IDE Change**

1. The interconnector will provide the Company a QPF and VEIC Order Form as described in 21.3, preceding, when the interconnector requests to change existing IDE. The Company will provide a quote to the interconnector for the costs associated with the requested change. The quote shall include the installation of all necessary hardware, software and any other identified equipment. The interconnector shall provide all IDE to the Company and pay any and all engineering and installation charges as a result of the change.
2. All terms and conditions of this Tariff shall apply on a going forward basis to the existing and changed IDE as a whole.
3. IDE changes that require the Company to change its own equipment are not permitted.

**F. IDE Maintenance**

1. The interconnector is responsible for purchasing and maintaining a supply of spares.
2. Upon a service failure, the interconnector is responsible for transportation and delivery of maintenance spares to the Company-specified premises. The interconnector shall deliver the IDE as set forth in C., preceding. The Company will not warehouse any maintenance spares.
3. Upon restoration of the VEIC Service failure, the Company will return the defective equipment to the interconnector, all at the interconnector's expense.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.4 IDE TRANSFER OF POSSESSION (Cont'd)**

**G. IDE Discontinuance and Removal**

**1. Voluntary Discontinuance of VEIC Service**

- a. The Company requests the interconnector to provide thirty (30) days written notice (by certified U. S. Mail, return receipt requested) when the interconnector requests to discontinue VEIC Service.
- b. The Company will provide a quote for the costs associated with the engineering and equipment removal of the IDE from its wire center. Such quote will be provided to the interconnector within fourteen (14) calendar days from receipt of the written notice. The interconnector is responsible for paying all removal nonrecurring charges to the Company prior to the Company removing the equipment from its wire center.
- c. Upon receipt from the interconnector of the full payment of the nonrecurring charges quoted for the removal of IDE, the Company will negotiate with the interconnector a removal date of the IDE from its wire center. Upon completion of the removal of the IDE from its wire center, the Company will notify the interconnector to pick up the IDE from the Company-specified premises.
- d. The interconnector shall have seven (7) calendar days from the agreed-to-date to remove the IDE from the Company's premises. Absent circumstances beyond the interconnector's reasonable control, if the interconnector fails to remove the IDE from the Company's premises by the seventh day from the agreed-to-date, the Company may dispose of the IDE in any manner it sees fit, and may retain any proceeds from such disposal.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.4 IDE TRANSFER OF POSSESSION**

G. IDE Discontinuance and Removal (Cont'd)

2. Involuntary Discontinuance of Service

- a. In the event the interconnector fails to abide by the terms and conditions of this Tariff, and the Company discontinues VEIC Service to the interconnector, rendering the IDE disabled to any Company service, the Company is entitled to exercise exclusive domain over the IDE in its possession. The Company may remove the IDE from its wire center and may dispose of it in any manner it sees fit. Should the Company decide to dispose of the IDE via a sale, the Company will notify the interconnector of the time and date of such sale. Any proceeds received from such a sale shall be retained by the Company with no obligation to turn such proceeds over to the interconnector.



**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE (Cont'd)**

**21.3.5 INSTALLATION AND MAINTENANCE**

**A. Technical Specifications**

The interconnector's fiber optic facilities shall be placed, maintained, relocated or removed in accordance with the applicable requirements and specifications of the current editions of the National Electrical Code (NEC), the National Electrical Safety Code (NESC) and rules and regulations of the Occupational Safety and Health Act (OSHA), and any governing authority having jurisdiction.

The interconnector's fiber optic facilities and splices must comply with Generic Requirements for Optical Fiber and Fiber Optic Cable Technical Reference GR-20-CORE, Cable Placing Handbook, Cable Splicing Handbook, Cable Maintenance Handbook, and General Information Tools and Safety, as they relate to fire, safety, health, environmental safeguards or interference with the Company services or facilities.

**B. Point of Interconnection (POI)**

The Company will designate the POI at the point of physical demarcation between the interconnector-provided and owned fiber optic facilities and the Company's fiber optic facilities. The Company will provide and be responsible for installing and maintaining all facilities on the Company side of the POI. The Company reserves the right to prohibit all equipment and facilities, other than fiber optic facilities, from the Company designated POI.

**C. VEIC Entrance Facility**

The Company will provision the VEIC Entrance Facility. The VEIC Entrance Facility includes the POI and all applicable components from the Company-designated POI to the fiber distribution panel in the wire center of the IDE. The VEIC Entrance Facility charge is described in 21.4, following.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.3 VIRTUAL EIC SERVICE**

**21.3.5 INSTALLATION AND MAINTENANCE (Cont'd)**

**D. VEIC Equipment Maintenance - Labor**

The Company is responsible for providing repair of out of service and or service affecting conditions and preventative maintenance (e.g., change-out of cards, back up tapes, filter changes) of the IDE in accordance with the information set forth on the VEIC Order Form. VEIC Equipment Maintenance - Labor charges are not applicable to EICT maintenance. VEIC Equipment Maintenance - Labor charges are described in 21.4, following.

## **21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

### **21.4 RATE REGULATIONS**

This section contains the specific regulations governing the rates and charges that apply for EIC Service. Company services purchased by the interconnector for interconnection with EIC Service are subject to appropriate nonrecurring charges, monthly rates and other applicable rates and charges as set forth in this Tariff.

#### **21.4.1 TYPES OF RATES AND CHARGES**

There are two types of rates and charges that apply to EIC Service. These are monthly rates and nonrecurring charges.

##### **A. Monthly Rates**

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

##### **B. Nonrecurring Charges**

Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service). VEIC Service nonrecurring charges are common components as set forth in 21.3.1.H., preceding, with the exception of the QPF and EICT rate categories.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.4 RATE REGULATIONS (Cont'd)**

**21.4.2 RATE CATEGORIES**

The rate categories for EIC Service are described following:

**A. Fees**

**1. Quotation Preparation Fee**

The Quotation Preparation Fee (QPF) provides the work activities performed to develop a quotation for VEIC Service. The QPF is set forth in 21.5.1, following.

**2. Microwave Quotation Preparation Fee**

The Microwave Quotation Preparation Fee (MQPF) provides the QPF work activities performed to develop a quotation for VEIC Service and the necessary studies (e.g., structural and radio frequency interference) to determine the feasibility of providing Microwave EIC. The MQPF is set forth in 21.5.1, following.

**B. Expanded Interconnection Channel Terminations and Interconnection Tie Pairs**

**1. PLTS Expanded Interconnection Channel Termination**

The PLTS EICT rate element provides for the communications path between the IDE and a Company Analog PLTS (LS1, LS2, DC, TG1, TG2, VG), DDS, DS1, DS3, FRS, ATM, and *QWEST DSL HOST* Service within the same wire center. Included as part of the EICT is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the Analog PLTS, DDS, DS1, DS3, FRS, ATM CRS, and *QWEST DSL HOST* Service are connected and the type of signaling capability, if any.

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**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.4 RATE REGULATIONS**

**21.4.2 RATE CATEGORIES**

**B. Expanded Interconnection Channel Terminations and Interconnection Tie Pairs (Cont'd)**

**2. Switched Access Service Expanded Interconnection Channel Termination**

The Switched Access Service EICT rate element provides for the communications path between the IDE and a Company Switched DS1 or DS3 Transport Service within the same wire center. Included as part of the EICT is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the Switched Access Service DS1 or DS3 capacity are to be connected and the type of signaling capability, if any.

A recurring rate and nonrecurring charges apply to each PLTS or Switched Access Service EICT per termination installed as set forth in 21.5.2, following.

**3. PLTS and Switched Access Service Interconnect Tie Pairs**

The PLTS and Switched Access Service ITPs deliver an attenuated signal. These ITPs are the last facility segment from the Company provided customer's service and the collocater's demarcation point. They include the terminating block/equipment at the service termination, the tie cable facility, and the cable racking between that location and the network interface.

Existing EICT customers may change to ITP at no charge if the request is received by close of business on March 10, 2000. All changes to ITP, and changes from EICT requested after March 10, 2000, are charged the EICT or ITP nonrecurring charge. Charges apply per termination.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.4 RATE REGULATIONS**

**21.4.2 RATE CATEGORIES (Cont'd)**

**C. VEIC-Common Components**

**1. VEIC Entrance Facility**

The VEIC Entrance Facility rate element provides a fiber optic facility on a per 2 fiber increment basis from the point of interconnection utilizing Company-owned, conventional single mode type of fiber optic cable to the fiber distribution panel in the wire center of the IDE. The recurring rate and nonrecurring charge are assessed per 2 fibers as set forth in 21.5.3, following.

**2. VEIC -48 Volt DC Power**

The VEIC -48 Volt DC Power rate element provides for the amount of DC power to the equipment bay as specified by the interconnector and terminated according to the prevailing electrical standards. The recurring rate is charged on a per ampere basis, per month as set forth in 21.5.3, following.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.4 RATE REGULATIONS**

**21.4.2 RATE CATEGORIES**

**C. VEIC Common Components (Cont'd)**

**3. VEIC -48 Volt DC Power Cable**

The VEIC -48 Volt DC Power Cable rate element provides for the maintenance of the power cabling per A and B feeder pair sized at 20, 40 or 60 amps.

The VEIC -48 Volt DC Power Cable Installation charge is to provision the power to the equipment bay where the VEIC equipment is located. The nonrecurring rate element includes the engineering, furnishing and installing the associated cable and cable rack from the closet power distribution bay to the location of the VEIC equipment. It includes the power cable (feeders) A and B sized at 20, 40, or 60 amps.

The recurring rate and nonrecurring charge is assessed per A and B feeder pair 20, 40 or 60 amp feed, as applicable, as set forth in 21.5.3, following.

**4. VEIC Equipment Bay**

The VEIC Equipment Bay provides mounting space for the interconnector-designated shelves and fuse panel. Each bay includes the 7 foot bay, its installation, all necessary environmental supports (e.g., floor space, heat and lighting). Mounting space on the bay, including space for the fuse panel and air gaps necessary for heat dissipation, is limited to 78 inches. Physical dimensions of the equipment bay are 84 inches high by 26 inches wide by 12 inches deep. This recurring rate element is applied per shelf as set forth in 21.5.3, following.

**21. EXPANDED INTERCONNECTION**

**- COLLOCATION (EIC) SERVICE**

**21.4 RATE REGULATIONS**

**21.4.2 RATE CATEGORIES**

**C. VEIC-Common Components (Cont'd)**

**5. CO Synchronization**

CO Synchronization provides Composite Clock and/or DS1 Synchronization signals traceable to a Stratum 1 source. The interconnector must determine the IDE synchronization requirements and notify the Company of these requirements when ordering the clock signals. The Composite Clock signal is a 64 kHz, nominal 5/8 duty cycle, bipolar return-to-zero signal with a bipolar violation every eight pulse. The DS1 Clock signal is a framed, all-ones, 1.544 Mbit/s (DS1) signal using the superframe format and Alternate Mark Inversion line code. CO Synchronization is required for VEIC Service involving digital connections. Synchronization may be required for analog services depending on the IDE involved. CO Synchronization is available where Company wire centers are equipped with Building Integrated Timing Supply (BITS).

CO Synchronization is an option ordered by the customer on the VEIC order form. The recurring rate is billed per equipment bay as set forth in 21.5, following.

**6. IDE Maintenance - Labor**

The IDE Maintenance - Labor nonrecurring charge provides for the labor necessary for repair of out of service and/or service-affecting conditions and preventative maintenance of the IDE as specified by the interconnector. The interconnector is responsible for ordering maintenance spares. The Company will perform maintenance and/or repair work upon receipt of the replacement maintenance spare and/or equipment from the applicable interconnector. The IDE Maintenance Labor charge is assessed per one half hour (1/2) or fraction thereof, per technician, during business hours or per one half hour (1/2) or fraction thereof, per technician, after business hours as applicable. A call-out of a maintenance technician after business hours, is subject to a minimum charge of four (4) hours. If the technician is required beyond the four hour minimum, the remaining time will be billed at the half-hour increment charge as set forth in 21.5.3, following.



**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.4 RATE REGULATIONS**

**21.4.2 RATE CATEGORIES**

**C. VEIC-Common Components (Cont'd)**

**7. VEIC Fiber Cable Splicing**

VEIC Fiber Cable Splicing consists of two charges: per set up, and per fiber spliced. The initial splice is included in the VEIC Entrance Facility nonrecurring charge. Fiber Cable Splicing will only apply on a subsequent basis. Fiber Cable Splicing will occur at the point of interconnection as specified by the Company. The nonrecurring charge is assessed per set up and per fiber spliced as set forth in 21.5.3, following.

**8. VEIC Inspector - Labor**

The VEIC Inspector Labor charge provides a Company-qualified Inspector when the interconnector requires access to the point of interconnection after initial installation. VEIC Inspector Labor is charged by the 1/2 hour or fraction thereof based on business hours or after business hours. A call-out of an Inspector after business hours, is subject to a minimum charge of four hours. If the VEIC Inspector is required beyond the four hour minimum, the remaining time will be billed at the half-hour increment charge as set forth in 21.5.3, following.

**9. VEIC Training**

The VEIC Training rate element provides for the billing of vendor-provided IDE training for Company personnel, on a metropolitan service area basis, when the IDE is different from Company-provided equipment. The Company will require three employees to be trained per metropolitan service area affected by the particular IDE. Within five business days of receiving the interconnector's request for service, the Company will inform the interconnector of the number of employees requiring training. The interconnector will coordinate the training schedule with the vendor and the Company. The Company will work cooperatively with the interconnector to schedule employee training. If, by an act of the Company, the employees that have been trained are relocated, retired or are no longer available, the Company will not require an interconnector to provide training for any new employees for the same IDE.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.4 RATE REGULATIONS**

**21.4.2 RATE CATEGORIES**

C.9. (Cont'd)

VEIC training nonrecurring charges are described in a., through c., following. A copy of the invoice for training hours, vendor direct charges and Company direct charges will be provided to the interconnector. The elements in a. through c., following apply only as required.

a. Training Hours Element

- The training hours are determined based on the actual number of hours the employee(s) is in training, and are billed to the interconnector.
- The total training hours are multiplied by 2 to derive the total number of billable 1/2 hour increments.
- The total 1/2 hour increments are multiplied by the VEIC Training Hours rate as set forth in 21.5.3, following.

b. Vendor Direct Training Charge Element

- Vendor Direct Training Charges, direct billed to the Company by the vendor, are billed to the interconnector in the form of VEIC Training 1/2 hour. The charges are billed as set forth following:
- The total direct billed training expense is divided by the VEIC Training rate as set forth in 21.5.3, following, to determine the number of 1/2 hour increments.
- The sum of the 1/2 hour increments is rounded to the nearest 1/2 hour, and is multiplied by the VEIC Training rate.

**21. EXPANDED INTERCONNECTION**

**- COLLOCATION (EIC) SERVICE**

**21.4 RATE REGULATIONS**

**21.4.2 RATE CATEGORIES**

**C.9 (Cont'd)**

**(c) Company Direct Training Charge Element**

- Company Direct Training Charges are the expenses for daily per diem (i.e., expenses based upon effective Company labor agreements), travel and lodging incurred by Company employees attending a vendor-provided IDE training course. The Company Direct Training Charge element is billed to the interconnector as set forth following:
- The total per diem, travel and lodging expenses are divided by the VEIC Training rate element as set forth in 21.5.3, following, to determine the number of one-half (1/2) hour increments.
- The sum of the one-half (1/2) hour increments is rounded to the nearest one-half (1/2) hour, and is multiplied by the VEIC Training rate.

VEIC Training will apply per same type of IDE in a metropolitan service area (i.e., the geographical area in which a technician normally services transmission equipment). The first interconnector ordering a type of IDE, will be billed the full training charges. The second interconnector ordering the same IDE, will be billed fifty (50%) of the training charges that were billed to the first interconnector. The fifty (50%) of the training costs recovered from the second interconnector will be credited to the first interconnector's bill. VEIC Training will not apply for the third or any subsequent requests for the identical IDE within the same metropolitan service area.

**10. VEIC Engineering (Installation, Change or Removal) - Labor**

VEIC Engineering Labor is a charge associated with the planning and engineering of the IDE at the time of installation, change or removal (i.e., discontinuance). The VEIC Engineering Labor charge is a nonrecurring charge based on the quote per one half hour (1/2) or fraction thereof, during business hours or per one half hour (1/2) or fraction thereof, after business hours as applicable. The nonrecurring charge is as set forth in 21.5.3, following.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.4 RATE REGULATIONS**

**21.4.2 RATE CATEGORIES**

**C. VEIC-Common Components (Cont'd)**

**11. VEIC Equipment - Labor**

VEIC Equipment Labor is a charge associated with the installation, change or removal (i.e., discontinuance) of VEIC equipment. The VEIC Equipment Labor charge is a nonrecurring charge based on the quote per 1/2 hour or fraction thereof, during business hours or per 1/2 hour or fraction thereof, after business hours as applicable. The nonrecurring charge is set forth in 21.5.3, following.

**12. VEIC Single Point of Termination**

VEIC Single Point of Termination (SPOT) is an optional connection to the Company's SPOT cross-connect bay or frame within a wire center. Recurring and nonrecurring charges are assessed per two-wire pair, per Analog PLTS/DDS termination and per termination for each DS1, DS3, 1.544 Mbps, or 45 Mbps as set forth in 21.5.3, following.

**13. VEIC Cable Racking**

The VEIC Cable Racking is a nonrecurring charge for cable racking required between the IDE and the Company's SPOT. VEIC Cable Racking is assessed on a per foot basis for each two-wire pair, per Analog PLTS/DDS termination and per termination for each DS1, DS3, 1.544 Mbps, or 45 Mbps requested as set forth in 21.5.3, following.

**21. EXPANDED INTERCONNECTION**

**- COLLOCATION (EIC) SERVICE**

**21.4 RATE REGULATIONS**

**21.4.2 RATE CATEGORIES (Cont'd)**

D. Microwave Rate Category

To be provided upon a bona fide request and where feasible on an individual case basis.

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.5 RATES AND CHARGES**

**21.5.1 VEIC FEES**

	<b>NONRECURRING CHARGE</b>
A. Quotation Preparation Fee	
• per quote	\$ 1,684.80
B. Microwave Quotation Preparation Fee	
• per quote	21,023.00

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.5 RATES AND CHARGES (Cont'd)**

**21.5.2 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND INTERCONNECTION TIE PAIRS**

A. Private Line Transport Service EICT,  
per termination

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Analog PLTS	TKCGX	\$467.44	\$ 4.02
• DDS	TKCHX	467.44	4.02
• 1.544 Mbps	TKCJX	313.25	17.22
• 44.736 Mbps or 45 Mbps	TKCKX	329.00	52.50

B. Switched Access Service EICT,  
per termination

• DS1 Switched Transport	TKCLX	313.25	17.22
• DS3 Switched Transport	TKCNX	329.00	52.50

C. Private Line Transport Service ITP,  
per termination

• 1.544 Mbps	TKCUX	211.78	5.98
• 44.736 Mbps or 45 Mbps	TKCVX	211.78	26.26

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.5 RATES AND CHARGES**

**21.5.2 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND  
INTERCONNECTION TIE PAIRS (Cont'd)**

D. Switched Access Service ITP,  
per termination

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• DS1 Switched Transport	TKCWX	\$211.78	\$ 5.98
• DS3 Switched Transport	TKCYX	211.78	26.26



**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.5 RATES AND CHARGES (Cont'd)**

**21.5.3 VEIC COMMON COMPONENTS**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<b>A. VEIC Entrance Facility</b>			
• per 2 fibers	SP1C1	—	\$ 1.97
• per 2 fibers		\$1,444.80	—
<b>B. VEIC -48 Volt DC Power</b>			
• per ampere, per month			
<b>STATE</b>			
Arizona	SP1PA	—	12.66
Colorado	SP1PA	—	10.02
Idaho	SP1PA	—	9.79
Iowa	SP1PA	—	10.30
Minnesota	SP1PA	—	10.40
Montana	SP1PA	—	9.12
Nebraska	SP1PA	—	10.62
New Mexico	SP1PA	—	11.20
North Dakota	SP1PA	—	10.26
Oregon	SP1PA	—	9.12
South Dakota	SP1PA	—	10.92
Utah	SP1PA	—	9.97
Washington	SP1PA	—	8.70
Wyoming	SP1PA	—	9.31

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.5 RATES AND CHARGES**

**21.5.3 VEIC COMMON COMPONENTS (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<b>C. VEIC -48 Volt DC Power Cable</b>			
• per A and B feeder pair from the power source to the VEIC equipment bay			
- 20 amp feed		\$3,167.21	
- 40 amp feed		4,359.71	
- 60 amp feed		5,475.62	
- 20 amp feed	SP1M2		\$4.66
- 40 amp feed	SP1M4		6.42
- 60 amp feed	SP1M6		8.06

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.5 RATES AND CHARGES**

**21.5.3 VEIC COMMON COMPONENTS (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
D. VEIC Equipment Bay			
• per shelf	SP1EB	—	\$10.75
E. CO Synchronization			
• per equipment bay	SP1CL	—	10.50

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.5 RATES AND CHARGES**

**21.5.3 VEIC COMMON COMPONENTS (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
F. IDE Maintenance - Labor [1]			
• During business hours, per 1/2 hour or fraction thereof	NRBBC	\$ 20.48	—
• After business hours[2], per 1/2 hour or fraction thereof	NRBBD	31.33	—
G. VEIC Fiber Cable Splicing[3]			
• Per setup	NRBBK	457.80	—
• Per fiber spliced	NRBCR	19.25	—
H. VEIC Inspector - Labor[1]			
• During business hours, per 1/2 hour or fraction thereof	NRBBE	22.00	—
• After business hours[2], per 1/2 hour or fraction thereof	NRBBF	37.41	—

[1] Per technician.

[2] A call-out of a Maintenance Technician or an Inspector after business hours is subject to a minimum charge of four (4) hours as set forth in 21.4.2, preceding.

[3] Not applicable on initial installation. Applies only to subsequent splice.

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**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.5 RATES AND CHARGES**

**21.5.3 VEIC COMMON COMPONENTS (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
I. VEIC Training			
• per 1/2 hour or fraction thereof		\$23.98	—
J. VEIC Engineering (Installation, Change Removal) - Labor			
• During business hours, per 1/2 hour or fraction thereof		23.73	—
• After business hours, per 1/2 hour or fraction thereof		36.16	—
K. VEIC Equipment (Installation, Change or Removal) - Labor			
• During business hours, per 1/2 hour or fraction thereof		27.50	—
• After business hours, per 1/2 hour or fraction thereof		41.22	—

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.5 RATES AND CHARGES**

**21.5.3 VEIC COMMON COMPONENTS (Cont'd)**

**L. VEIC SPOT**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Analog PLTS/DDS per two-wire pair, per termination,	EXCUX	\$ 6.84	\$0.0041
• DS1 or 1.544 Mbps, per termination	EXCDX	29.80	0.0187
• DS3 or 45 Mbps, per termination	EXCEX	417.55	0.2510

**M. VEIC Cable Racking**

• per foot			
- Analog PLTS/DDS per two-wire pair, per termination		0.0295	
- DS1 or 1.544 Mbps, per termination		0.0590	
- DS3 or 45 Mbps, per termination		0.0590	

**21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE**

**21.5.4 MICROWAVE EIC**

- A. Reserved for future use

**21.6 RATES AND CHARGES - INDIVIDUAL CASE FILINGS**

Rates and charges for EIC provided on an individual case basis are filed following:

**22. OPERATOR ASSISTANCE SERVICE**

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## **22. OPERATOR ASSISTANCE SERVICE**

### **22.1 GENERAL DESCRIPTION**

Operator Assistance Service (OAS) provides services using the assistance of a Company operator. The Company operator provides OAS for interLATA calls only. OAS includes Busy Line Verification and Busy Line Interruption. OAS is provided where technically feasible in Company-designated OAS tandem locations.

#### **22.1.1 BUSY LINE VERIFICATION**

Busy Line Verification (BLV) provides the conversation status of a telephone line. The Company operator verifies the conversation status of a telephone line as requested by the calling customer's operator and advises the status of the telephone line to the requesting operator. The Company will not interrupt the conversation on the telephone line when verifying the line status. Only telephone numbers residing in the end offices subtending the Company-designated OAS tandem locations will be verified. Only one BLV attempt will be made per customer operator call and a BLV charge applies whether or not conversation is detected.

#### **22.1.2 BUSY LINE INTERRUPTION**

Busy Line Interruption (BLI) provides busy line verification and interruption of a telephone line. The Company operator verifies the conversation status, interrupts the conversation, informs the user that a caller is attempting to reach the line, requests the user to release the line and advises the requesting operator the user of the line was informed that a caller is attempting to reach the telephone line. Only telephone numbers residing in the end offices subtending the Company-designated OAS tandem locations will be verified and interrupted. The Company operator will only interrupt the call and will not complete the call of the end user initiating the interrupt request. Only one BLI attempt will be made per customer operator call and a BLI charge applies whether or not the user of the telephone line releases the line.

#### **22.1.3 BLV OR BLI EMERGENCY EXEMPTION**

BLV and BLI charges will not apply if the calling customer's operator identifies the call as being to an official public emergency agency and concerns official business involving such agency. An official agency is defined as a government agency which is operated by the federal, state or local government and has the capability and legal authority to provide prompt and direct aid to the public in an emergency situation.

## **22. OPERATOR ASSISTANCE SERVICE**

### **22.2 BLV AND BLI ORDERING AND PROVISIONING REQUIREMENTS**

BLV and BLI are available in conjunction with Switched Access Services CST3 or FGD provisioned with Equal Access Multifrequency Address signaling. The customer must specify the number of trunks desired between its premises and the Company-designated OAS tandem location in the same LATA. The trunks may be two-way or terminating only. Where the OAS tandem switch also functions as a switched access tandem, the customer may combine other switched traffic over the same trunks.

The customer shall request BLV and BLI in the same manner as described for Switched Access Services as set forth in Section 5, preceding, with the exception of signaling, as described above. In addition, the customer must specify the OAS traffic type as set forth in 6.1.1, preceding. BLV and BLI are not available separately.

OAS tandem locations are designated in National Exchange Carrier Association, Inc., Tariff F. C. C. No. 4.

### **22.3 DESIGN BLOCKING REQUIREMENTS**

The Company will design and monitor facilities used for OAS in the same manner as described for Switched Access Services in 6.5.9, preceding.

### **22.4 ACCEPTANCE TESTING REQUIREMENTS**

The Company will, at the customer's request, cooperatively test with the customer, as set forth in 6.1.5, preceding when OAS is provisioned in conjunction with CST3 or FGD Switched Access Services.

### **22.5 JURISDICTIONAL REQUIREMENTS**

OAS may, at the option of the customer, be provided for interstate and intrastate communications. When the customer requests such mixed access, the interstate OAS charges will be determined by the Company using a customer-provided jurisdictional report as set forth in 2.3.10, preceding.

## **22. OPERATOR ASSISTANCE SERVICE**

### **22.6 OBLIGATIONS OF THE COMPANY**

The Company operator will advise the requesting operator to contact the appropriate serving Local Exchange Carrier (LEC) when the telephone number requested to be verified or interrupted is determined to be served by a different LEC.

### **22.7 OBLIGATIONS OF THE CUSTOMER**

The Company operator will respond to one request to verify or verify and interrupt a telephone line per call received from a requesting operator. The Company operator will not transfer redial or forward the call to another location.

The customer premises must provide the necessary on-hook and off-hook answer and disconnect supervisory signaling.

Jurisdictional reporting as described in 2.3.10, preceding, will apply to OAS.

### **22.8 RATE REGULATIONS**

#### **22.8.1 GENERAL RATE REGULATIONS**

Switched Access Service nonrecurring charges associated with ordering installation and rearrangement of CST3 or FGD services apply. In addition to the nonrecurring charges, the recurring BLV and/or BLI per call rate elements apply. Switched Access usage rate elements do not apply.

#### **22.8.2 BUSY LINE VERIFICATION**

The Busy Line Verification rate element is assessed per telephone line verified regardless of the status of the line verified. When the Company operator verifies the telephone line, only the Busy Line Verification rate per call applies.

#### **22.8.3 BUSY LINE INTERRUPTION**

The Busy Line Interruption rate element is assessed per telephone line verified and interrupted regardless of whether the caller releases the telephone line. When the Company operator verifies and interrupts the telephone line, only the Busy Line Interruption rate element is assessed.

**22. OPERATOR ASSISTANCE SERVICE**

**22.9 RATES AND CHARGES**

	<b>RATE PER CALL</b>
<b>22.9.1 BUSY LINE VERIFICATION</b>	
-per call verified	\$1.00
<b>22.9.2 BUSY LINE INTERRUPTION</b>	
-per call verified and interrupted	1.25

**23. WIRE CENTERS**

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(N)

(N)

**23. WIRE CENTERS**

(S-y)

**23.1 GENERAL DESCRIPTION**

This Section identifies the wire centers that qualify for Phase I and Phase II Pricing Flexibility. Wire centers without Phase I / Phase II relief are not listed in this Section.

(S-y)  
(C-x)  
(C-x)

Refer to Pricing Flexibility in Section 2 for additional descriptive information of the types of relief.

(S-y)

The following pages identify the MSA, wire center, and degree of relief. Each wire center may have Phase I / II relief for the CTE to the end user location (CTE EU) and/or all other components as defined in Section 2.

(S-y)  
(T-x)

(x) Issued under authority of Special Permission No. 02-080.

(y) Reissued matter filed under Transmittal No. 127 to become effective June 15, 2002.

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**23. WIRE CENTERS**

**23.2 ARIZONA**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Phoenix-Mesa</u>				
	Sunrise	AGFIAZSR	I & II	I & II
	Buckeye	BCKYAZMA	I & II	I & II
	Beardsley	BRDSAZMA	I & II	I & II
	Chandler Main	CHNDAZMA	I & II	I & II
	Chandler South	CHNDAZSO	I & II	I & II
	Chandler West	CHNDAZWE	I & II	I & II
	Circle City	CRCYAZNM	I & II	I & II
	Cave Creek	CVCKAZMA	I & II	I & II
	Deer Valley	DRVYAZNO	I & II	I & II
	Fort McDowell	FTMDAZMA	I & II	I & II
	Rio Verde	FTMDAZNO	I & II	I & II
	Coldwater	GDYRAZCW	I & II	I & II
	Gila Bend	GLBNAZMA	I & II	I & II
	Glendale	GLDLAZMA	I & II	I & II
	Higley	HGLYAZMA	I & II	I & II
	Litchfield Part	LTPKAZMA	I & II	I & II
	Gilbert	MESAAZGI	I & II	I & II
	Mesa	MESAAZMA	I & II	I & II
	New River	NWRVAZMA	I & II	I & II
	Foothills	PHNXAZ81	I & II	I & II
	Bethany West	PHNXAZBW	I & II	I & II
	Cactus	PHNXAZCA	I & II	I & II
	Phoenix East	PHNXAZEA	I & II	I & II
	Tempe	TEMPAZMA	I & II	I & II
	McClintock	TEMPAZMC	I & II	I & II
	Tolleson	TLSNAZMA	I & II	I & II
	Wickenburg	WCBGAZMA	I & II	I & II
	White Tanks	WHTKAZMA	I & II	I & II

(Z)

**23. WIRE CENTERS**

(N)

**23.2 ARIZONA (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Phoenix-Mesa (Cont'd)</u>				
	Greenway	PHNXAZGR	I & II	I & II
	Laveen	PHNXAZLV	I & II	I & II
	Phoenix Main	PHNXAZMA	I & II	I & II
	Midriver	PHNXAZMR	I & II	I & II
	Maryvale	PHNXAZMY	I & II	I & II
	Phoenix Northeast	PHNXAZNE	I & II	I & II
	Phoenix North	PHNXAZNO	I & II	I & II
	Phoenix Northwest	PHNXAZNW	I & II	I & II
	Pecos	PHNXAZPP	I & II	I & II
	Peoria	PHNXAZPR	I & II	I & II
	Phoenix Southeast	PHNXAZSE	I & II	I & II
	Phoenix South	PHNXAZSO	I & II	I & II
	Sunnyslope	PHNXAZSY	I & II	I & II
	Phoenix West	PHNXAZWE	I & II	I & II
	Pinnacle Peak	PRVYAZPP	I & II	I & II
	Scottsdale	SCDLAZMA	I & II	I & II
	Shea	SCDLAZSH	I & II	I & II
	Thunderbird	SCDLAZTH	I & II	I & II
	Superstition Main	SPRSAZMA	I & II	I & II
	Superstition West	SPRSAZWE	I & II	I & II

(N)



**23. WIRE CENTERS**

(N)

**23.2 ARIZONA (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Tucson</u>				
	Catalina	TCSNAZCA	I	I & II
	Cortaro	TCSNAZCO	I	I & II
	Craycroft	TCSNAZCR	I	I & II
	Tucson East	TCSNAZEA	I	I & II
	Flowing Wells	TCSNAZFW	I	I & II
	Tucson Main	TCSNAZMA	I	I & II
	Mount Lemmon	TCSNAZML	I	I & II
	Green Valley	GNVYAZMA	I	I & II
	Marana West	MARNAZ02	I	I & II
	Marana South	MARNAZ03	I	I & II
	Marana Main	MARNAZMA	I	I & II
	Tucson North	TCSNAZNO	I	I & II
	Rincon	TCSNAZRN	I	I & II
	Tucson Southeast	TCSNAZSE	I	I & II
	Tucson South	TCSNAZSO	I	I & II
	Tucson Southwest	TCSNAZSW	I	I & II
	Tanque Verde	TCSNAZTV	I	I & II
	Tucson West	TCSNAZWE	I	I & II
	Tubac	TUBACZMA	I	I & II
	Vail North	VAILAZNO	I	I & II
	Vail South	VAILAZSO	I	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.3 COLORADO**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Colorado Springs</u>				
	Air Force	AFACCOMA	I & II	I & II
	Black Forest	BLFSCOMA	I & II	I & II
	Calahan	CLHNCOMA	I & II	I & II
	Gatehouse	CLSPCO32	I & II	I & II
	Colorado Spgs. East	CLSPCOEA	I & II	I & II
	Colorado Springs	CLSPCOMA	I & II	I & II
	Pikeview	CLSPCOPV	I & II	I & II
	Stratmoor	CLSPCOSM	I & II	I & II
	Cripple Creek	CRCKCOMA	I & II	I & II
	Manitou Springs	MNSPCOMA	I & II	I & II
	Fountain	FONTCOMA	I & II	I & II
	Green Mountain Falls	GMFLCOMA	I & II	I & II
	Monument	MNMTCOMA	I & II	I & II
	Peyton	PYTNCOMA	I & II	I & II
	Security	SCRTCOMA	I & II	I & II
	Woodland Park	WDPKCOMA	I & II	I & II
<u>Denver-Boulder</u>				
	Allens Park	ALPKCOMA	I	I & II
	Arvada	ARVDCOMA	I	I & II
	Aurora	AURRCOMA	I	I & II
	Monaghan	AURRCOMB	I	I & II
	Brighton	BITNCOMA	I	I & II
	Gunbarrel	BLDRCOGB	I	I & II
	Boulder	BLDRCOMA	I	I & II
	Broomfield	BRFDCOMA	I	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.3 COLORADO (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Denver-Boulder</u>				
	Coal Creek Canyon	CCCNCOMA	I	I & II
	Central City	CNCYCOMA	I	I & II
	Castle Rock	CSRKCONM	I	I & II
	Decker	DCKRCOMA	I	I & II
	Capitol Hill	DNVRCOCH	I	I & II
	Columbine	DNVRCOCL	I	I & II
	Curtis Park	DNVRCOCP	I	I & II
	Cottonwood	DNVRCOCW	I	I & II
	Drycreek	DNVRCODC	I	I & II
	Denver East	DNVRCOEA	I	I & II
	Denver Main	DNVRCOMA	I	I & II
	Montbello	DNVRCOMB	I	I & II
	Denver Northeast	DNVRCONE	I	I & II
	Denver North	DNVRCONO	I	I & II
	Denver International Airport	DNVRCOOU	I	I & II
	Denver Southeast	DNVRCOSE	I	I & II
	Smokey Hill	DNVRCOSH	I	I & II
	Sullivan	DNVRCOSL	I	I & II
	Denver South	DNVRCOSO	I	I & II
	Denver Southwest	DNVRCOSW	I	I & II
	Denver West	DNVRCOWS	I	I & II
	Aberdeen	ENWDCOAB	I	I & II
	Englewood	ENWDCOMA	I	I & II
	Evergreen	EVRGCOMA	I	I & II
	Golden	GLDNCOMA	I	I & II
	Lookout Mountain	LKMTCOMA	I	I & II
	Lakewood	LKWDCOMA	I	I & II
	Longmont	LNMTCOMA	I	I & II
	Larkspur	LRKSCONM	I	I & II
	Highlands Ranch	LTTNCOHL	I	I & II
	Littleton	LTTNCOMA	I	I & II
	Lyons	LYNSCOMA	I	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.3 COLORADO (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Denver-Boulder</u>				
	Morrison	MRSNCOMA	I	I & II
	Nederland	NDLDCOMA	I	I & II
	Northglenn	NGLNCOMA	I	I & II
	Niwot	NIWTCOMA	I	I & II
	Parker	PRKRCOMA	I	I & II
	Table Mesa	TEMACOMA	I	I & II
	Ward	WARDCOMA	I	I & II
	Westminster	WMNSCOMA	I	I & II
<u>Fort Collins- Loveland</u>				
	Berthod	BRTHCOMA	I	I
	Estes Park	ESPKCOMA	I	I
	Fort Collins	FTCLCOMA	I	I
	Harmony	FTCLCOHM	I	I
	Loveland	LVLDCOMA	I	I
	Wellington	WGTNCOMA	I	I

(N)

**23. WIRE CENTERS**

(N)

**23.3 COLORADO (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Greeley</u>				
	Ault	AULTCOMA		I
	Eaton	EATNCOMA		I
	Erie	ERIECOMA		I
	Fort Lupton	FTLPCOMA		I
	Frederick	FRDRCOMA		I
	Gilcrest	GLCRCOMA		I
	Greeley	GRELCOMA		I
	Hudson	HDSNCOMA		I
	Johnstown	JHMLCOMA		I
	Keensburg	KNBGCOMA		I
	Lasalle	LSLLCOMA		I
	Mead	MEADCOMA		I
	Parkview	GRELCOJC		I
	Platteville	PTVLCOMA		I
	Windsor	WNDSCOMA		I
<u>Pueblo</u>				
	Avondale	AVDLCOMA	I	I & II
	Pueblo Main	PUBLCOMA	I	I & II
	Pueblo Sunset	PUBLICOSU	I	I & II
	Pueblo West	PUBLICO06	I	I & II
	Vineland	VNLDCOMA	I	I & II

(N)

**23. WIRE CENTERS**

**23.4 IDAHO**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Boise City</u>				
	Boise Main	BOISIDMA	I & II	I & II
	Boise Northwest	BOISIDNW	I & II	I & II
	Boise Southwest	BOISIDSW	I & II	I & II
	Boise West	BOISIDWE	I & II	I & II
	Eagle	EAGLIDNM	I & II	I & II
	Kuna	KUN AIDMA	I & II	I & II
	Meridian	MRDNIDMA	I & II	I & II
	Star	STARIDNM	I & II	I & II

(N)

(N)

**23. WIRE CENTERS**

(N)

**23.5 IOWA**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Cedar Rapids</u>				
	Cedar Rapids	CDRRIADT		I & II
	Marion	CDRRFIAMN		I & II
	Cedar Rapids North	CDRRIANO		I & II
	Cedar Rapids West	CDRRIAWS		I & II
	Coggon	CGGNIACO		I & II
	Center Point	CNPNIACO		I & II
	Mount Vernon	MTVRIACO		I & II
<u>Davenport-Moline- Rock Island</u>				
	Davenport			
	Downtown	DVNPIADT	I & II	I & II
	Davenport East	DVNPIAEA	I & II	I & II
	Davenport Northeast	DVNPIANE	I & II	I & II
	Davenport Northwest	DVNPIANW	I & II	I & II
	Davenport West	DVNPIAWS	I & II	I & II
	Walcott	WLCTIACO	I & II	I & II
<u>Des Moines</u>				
	Adel	ADELIACO	I & II	I & II
	Altoonia	ALNAIACO	I & II	I & II
	Ankeny	ANKNIACO	I & II	I & II
	Carlisle	CRLSIACO	I & II	I & II
	Ashworth	DESMIAAW	I & II	I & II
	Des Moines	DESMIADT	I & II	I & II
	Des Moines East	DESMIAEA	I & II	I & II
	Des Moines			
	Northwest	DESMIANW	I & II	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.5 IOWA (Cont'd)**

<b>MSA</b>	<b>WIRE CENTER</b>	<b>CLLI-8 CHAR. LOCATION CODE</b>	<b>QUALIFIED FOR PHASE CTE EU</b>	<b>ALL OTHER COMPONENTS</b>
<u>Des Moines (Cont'd)</u>				
	Des Moines South	DESMIASO	I & II	I & II
	Des Moines West	DESMIAWS	I & II	I & II
	Dallas Center	DLCTIACE	I & II	I & II
	Grimes	GRMSIACO	I & II	I & II
	Granger	GRNGIACO	I & II	I & II
	Indianola	INDNIACO	I & II	I & II
	Norwalk	NRWLIACO	I & II	I & II
	Polk City	PKCYIACO	I & II	I & II
	Perry	PRRYIACO	I & II	I & II
	Runnels	RNLSIACO	I & II	I & II
	Waukee	WAUKIACO	I & II	I & II
<u>Dubuque</u>				
	Dubuque Northwest	DUBQIANW	I & II	I & II
	Dubuque Downtown	DUBQIATC	I & II	I & II
<u>Iowa City</u>				
	Iowa City	IWCYIATC	I & II	I & II
<u>Omaha</u>				
	Neola	NEOLIACO	I & II	I & II
	Manawa	CNBLIAMW	I & II	I & II
	Council Bluffs	CNBLIAWA	I & II	I & II
	Crescent	CRSCIACO	I & II	I & II
	Underwood	UNWDIACO	I & II	I & II

(N)



**23. WIRE CENTERS**

(N)

**23.5 IOWA (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Sioux City</u>				
	Anthon	ANTHIACO	I	I & II
	Correctionville	CCVLIACO	I	I & II
	Danbury	DNBRIACO	I	I & II
	Sioux City			
	Downtown	SXCYIADT	I	I & II
	Sioux City	SXCYIAMS	I	I & II
	Emerson	EMSNNENW	I	I & II
	Homer	HOMRNENW	I	I & II
	South Sioux City	SSCYNENW	I	I & II
<u>Waterloo-</u>				
	<u>Cedar Falls</u>			
	Denver	DNVRIACO	I	I & II
	Cedar Falls	CDFLIACO	I	I & II
	Hudson	HDSNIACO	I	I & II
	Waterloo	WTRLIADT	I	I & II
	Washburn	WTRLIAWS	I	I & II
	Waverly	WVRLIACO	I	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.6 MINNESOTA**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Fargo-Moorhead</u>				
	Comstock	CMSTMNCO	I & II	I & II
	Hawley	HWLYMNHA	I & II	I & II
	Sabin	SABNMNSA	I & II	I & II
<u>Minneapolis- St. Paul</u>				
	Afton	AFTNMNAF	I	I & II
	Anoka	ANOKMNAN	I	I & II
	Buffalo	BFLOMNBU	I	I & II
	Blaine	BLANMNBL	I	I & II
	Bloomington Cedar	BLTNMNCE	I	I & II
	Normandale	BLTNMNNO	I	I & II
	Bloomington South	BLTNMNNO	I	I & II
	Brooklyn Center	BRCTMNBC	I	I & II
	Burnsville	BRVLMNBU	I	I & II
	Coon Rapids	CNRPMNND	I	I & II
	Crystal	CRYSMNCR	I	I & II
	Cottage Grove	CTGVMNCG	I	I & II
	Lexington	EAGNMNLB	I	I & II
	Eden Prairie	EDPRMNEP	I	I & II
	Glen Prairie	EDPRMNGP	I	I & II
	Excelsior	EXCLMNEX	I	I & II
	Fridley	FRDLMNFR	I	I & II
	Forest Lake	FRLKMNFL	I	I & II
	Hanover	HNVRMNHCB	I	I & II
	Hopkins	HPKNMNHOB	I	I & II
	Orchard	GLVYMNOR	I	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.6 MINNESOTA (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Minneapolis-</u>				
<u>St. Paul</u>				
	Hamel	HAMLMNHB	I	I & II
	Beech	STPLMNBE	I	I & II
	Emerson	STPLMNEM	I	I & II
	Front	STPLMNHB	I	I & II
	Midway	STPLMNMI	I	I & II
	Market	STPLMNMK	I	I & II
	Stillwater	STWRMNST	I	I & II
	White Bear	WBLKMNWB	I	I & II
	West Saint Paul	WSPLMNWS	I	I & II
	Wayzata	WYZTMNWA	I	I & II
	7th Avenue	MPLSMN07	I	I & II
	Bryant	MPLSMNBB	I	I & II
	Beard	MPLSMNBE	I	I & II
	Minneapolis	MPLSMNDT	I	I & II
	Franklin	MPLSMNFR	I	I & II
	Fort Snelling	MPLSMNFS	I	I & II
	Central	MPLSMNGE	I	I & II
	Penn	MPLSMNPE	I	I & II
	Pillsbury	MPLSMNPI	I	I & II
	24th Avenue	MPLSMNTF	I	I & II
	Maplewood	MPWDMNMA	I	I & II
	North Branch	NBRNMNNB	I	I & II
	Park Row	NSPLMNPR	I	I & II
	Navarre	NVRRMNNA	I	I & II
	Cleveland	NWBTMNCL	I	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.6 MINNESOTA (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Minneapolis-</u>				
<u>St. Paul</u> (Cont'd)				
	Oak Grove	OKGVMNOG	I	I & II
	Fernbrook	PLMOMNFE	I	I & II
	66th Street	RCFDMN66	I	I & II
	Rockford	RCFRMNRO	I	I & II
	Rush City	RSCYMNRC	I	I & II
	Soderville	SDVLMNSO	I	I & II
	Shakopee	SHKPMNSH	I	I & II
	Rice Street	SHVWMNRI	I	I & II
<u>Rochester</u>				
	Rochester	ROCHMNRO	I & II	I & II
	Stewartville	STVLMNST	I & II	I & II
<u>St. Cloud</u>				
	Avon	AVONMNVO	I & II	I & II
	Cold Springs	CLSPMNCB	I & II	I & II
	Foley	FOLYMNFO	I & II	I & II
	Holdingford	HLFRMNCO	I & II	I & II
	Sauk Centre	SKCTMNSC	I & II	I & II
	Saint Cloud	STCDMNTO	I & II	I & II
	Saint Joseph	STJSMNSJ	I & II	I & II
	Elk River	EKRVMNER	I & II	I & II

(N)

**23. WIRE CENTERS**

**23.7 MONTANA**

There are no Pricing Flexibility wire centers in Montana.

(N)  
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(N)

**23. WIRE CENTERS**

(N)

**23.8 NEBRASKA**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Omaha</u>				
	Bennington	BGTNNECO	I & II	I & II
	Elkhorn-Waterloo	ELKHENENW	I & II	I & II
	Gretna	GRETNENW	I & II	I & II
	Girard	OMAHNE78	I & II	I & II
	Harrison	OMAHNE84	I & II	I & II
	Omaha	OMAHNE90	I & II	I & II
	Bellevue	OMAHNEBE	I & II	I & II
	Center	OMAHNECE	I & II	I & II
	Fort Street	OMAHNEFO	I & II	I & II
	Fowler St	OMAHNEFW	I & II	I & II
	156 Harrison	OMAHNEHA	I & II	I & II
	Izard	OMAHNEIZ	I & II	I & II
	Douglas	OMAHNENW	I & II	I & II
	O Street	OMAHNEOS	I & II	I & II
	Springfield	SPFDNENW	I & II	I & II
	Valley	VLLYNENW	I & II	I & II
	Neola	NEOLIACO	I & II	I & II
	Manawa	CNBLIAMW	I & II	I & II
	Council Bluffs	CNBLIAWA	I & II	I & II
	Crescent	CRSCIACO	I & II	I & II
	Underwood	UNWDIACO	I & II	I & II
<u>Sioux City</u>				
	South Sioux City	SSCYNENW	I	I & II
	Emerson	EMSNENENW	I	I & II
	Homer	HOMRNENW	I	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.9 NEW MEXICO**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Albuquerque</u>				
	Academy	ALBQNMAC	I & II	I & II
	Corrales	ALBQNMCR	I & II	I & II
	Albuq East	ALBQNMEA	I & II	I & II
	Albuq Main	ALBQMNMA	I & II	I & II
	Albuq Northeast	ALBQNMNE	I & II	I & II
	Albuq North	ALBQNMNO	I & II	I & II
	Rio Rancho	ALBQNMRR	I & II	I & II
	San Mateo	ALBQNMMS	I & II	I & II
	Albuq West	ALBQNMWE	I & II	I & II
	Bernalillo	BRNLNMMA	I & II	I & II
	Los Alamos Main	LSALNMMA	I & II	I & II
	White Rock	LSALNMWR	I & II	I & II
	Pena Blanca	PNBLNMMA	I & II	I & II
	Tijeras	TJRSNMMA	I & II	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.10 NORTH DAKOTA**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Fargo-Moorhead</u>				
	Casselton	CSLTNDBC	I & II	I & II
	Fargo	FARGNDBC	I & II	I & II
	Gardner	GRNRNDBC	I & II	I & II
	Leonard	LNRDNDMW	I & II	I & II
	West Fargo	WFRGNDBC	I & II	I & II
	Comstock	CMSTMNCO	I & II	I & II
	Hawley	HWLYMNHA	I & II	I & II
	Sabin	SABNMNSA	I & II	I & II

(N)



**23. WIRE CENTERS**

(N)

**23.11 OREGON**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Eugene-Springfield</u>				
	Culp Creek	CLCKOR53	I & II	I & II
	Cottage Grove	CTGVOR53	I & II	I & II
	River Road	EUGNOR28	I & II	I & II
	Eugene	EUGNOR53	I & II	I & II
	Florence	FLRNOR53	I & II	I & II
	Junction City	JNCYOR51	I & II	I & II
	Leaburg	LEBGOR54	I & II	I & II
	Lowell	LWLLOR53	I & II	I & II
	Mapleton	MPTNOR54	I & II	I & II
	Marcola	MRCLOR53	I & II	I & II
	Oakridge	OKRGOR01	I & II	I & II
	Springfield	SPFDOR01	I & II	I & II
	Veneta	VENTOR54	I & II	I & II
<u>Medford-Ashland</u>				
	Ashland	ASLDOR55	I & II	I & II
	Central Point	CNPNOR29	I & II	I & II
	Gold Hill	GLHLOR55	I & II	I & II
	Jacksonville	JCVLOR56	I & II	I & II
	Medford	MDFDOR33	I & II	I & II
	Phoenix	PHNXOR55	I & II	I & II
	Rogue River	RGRVOR55	I & II	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.11 OREGON (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Portland-Vancouver</u>				
	Burlington	BURLOR62	I & II	I & II
	Lake Oswego	LKOSOR62	I & II	I & II
	Milwaukie	MLWKOR17	I & II	I & II
	Orchards	ORCHWA01	I & II	I & II
	Oregon City	ORCYOR18	I & II	I & II
	Cypress	PTLDOR02	I & II	I & II
	Harold Street	PTLDOR08	I & II	I & II
	Alpine	PTLDOR11	I & II	I & II
	Atlantic	PTLDOR12	I & II	I & II
	Belmont	PTLDOR13	I & II	I & II
	Butler	PTLDOR14	I & II	I & II
	Cherry Portland	PTLDOR17	I & II	I & II
	Prospect	PTLDOR18	I & II	I & II
	Capitol	PTLDOR69	I & II	I & II
	Vancouver	VANCWA01	I & II	I & II
	Vancouver North	VANCWANO	I & II	I & II
	Battleground	BTLGWA01	I & II	I & II
	Ridgefield	RDFDWA01	I & II	I & II
<u>Salem</u>				
	Dallas	DLLSOR58	I	I & II
	Falls City	FLCYOR58	I	I & II
	Independence			
	Monmouth	INDPOR58	I	I & II
	Jefferson	JFSNOR63	I	I & II
	Salem	SALMOR58	I	I & II
	Keizer	SALMOR59	I	I & II
	Woodburn	WDBNOR59	I	I & II

(N)

**23. WIRE CENTERS**

**23.12 SOUTH DAKOTA**

There are no Phase II wire centers in South Dakota.

(N)  
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(N)

**23. WIRE CENTERS**

(N)

**23.13 UTAH**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Provo-Orem</u>				
	American Fork	AMFKUTMA	I	I & II
	Lehi	LEHIUTMA	I	I & II
	Orem	OREMUTMA	I	I & II
	Pleasant Grove	PLGVUTMA	I	I & II
	Provo	PROVUTMA	I	I & II
	Payson	PYSNUTMA	I	I & II
	Salem	SALMUTMA	I	I & II
	Santaquin	SNTQUTMA	I	I & II
	Spanish Fork	SPFKUTMA	I	I & II
	Springville	SPVLUTMA	I	I & II
<u>Salt Lake City- Ogden</u>				
	Alta	ALTAUTMA	I & II	I & II
	Bountiful	BNTFUTMA	I & II	I & II
	Clearfield Layton	CLFDUTMA	I & II	I & II
	Cottonwood	CTWDUTMA	I & II	I & II
	Dugway	DGWHUTMA	I & II	I & II
	Draper	DRPRUTMA	I & II	I & II
	Farmington	FRTNUTMA	I & II	I & II
	Grantsville	GTVLUTMA	I & II	I & II
	Holladay	HLDYUTMA	I & II	I & II
	Huntsville	HNVIUTMA	I & II	I & II
	Kearns	KRNSUTMA	I & II	I & II
	Kaysville	KYVLUTMA	I & II	I & II
	East Layton	LYTNUTMA	I & II	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.13 UTAH (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Salt Lake City-</u> <u>Ogden</u>				
	Magna	MAGNUTNM	I & II	I & II
	Midvale	MDVAUTMA	I & II	I & II
	Murray	MRRYUTMA	I & II	I & II
	North Salt Lake	NSLKUTMA	I & II	I & II
	Ogden Main	OGDNUTMA	I & II	I & II
	Ogden North	OGDNUTNO	I & II	I & II
	Ogden South	OGDNUTSO	I & II	I & II
	Ogden West	OGDNUTWE	I & II	I & II
	Riverton	RVTNUTMA	I & II	I & II
	Salt Lake East	SLKCUTEA	I & II	I & II
	Salt Lake City Main	SLKCUTMA	I & II	I & II
	Salt Lake South	SLKCUTSO	I & II	I & II
	Salt Lake West	SLKCUTWE	I & II	I & II
	Tooele	TOOLUTMA	I & II	I & II
	West Jordan Main	WJRDUTMA	I & II	I & II
	Wendover	WNDVUTMA	I & II	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.14 WASHINGTON**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Bellingham</u>				
	Bellingham	BLHMWA01	I & II	I & II
	Lummi	BLHMWALU	I & II	I & II
<u>Olympia</u>				
	Lacey	LACYWA01	I & II	I & II
	Olympia Whitehall	OLYMWA02	I & II	I & II
	Evergreen	OLYMWAEV	I & II	I & II
<u>Portland-Vancouver</u>				
	Battleground	BTLGWA01	I & II	I & II
	Ridgefield	RDFDWA01	I & II	I & II
	Vancouver	VANCWA01	I & II	I & II
	Vancouver North	VANCWANO	I & II	I & II
	Orchards	ORCHWA01	I & II	I & II
<u>Seattle-Bellevue- Everett</u>				
	Auburn	AUBNWA01	I	I & II
	Black Diamond	BDMDWA01	I	I & II
	Bellevue Glencourt	BLLVWAGL	I	I & II
	Bellevue-Sherwood	BLLVWASH	I	I & II
	Des Moines	DESMWA01	I	I & II
	Enumclaw	ENMCWA01	I	I & II
	Federal Way	FDWYWA01	I	I & II
	Issaquah	ISQHWAEX	I	I & II
	Kent Ulrich	KENTWA01	I	I & II
	Kent Meridian	KENTWAME	I	I & II
	Kent O’Brien	KENTWAOB	I	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.14 WASHINGTON (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Seattle-Bellevue-</u> <u>Everett</u> (Cont'd)				
	Maple Valley	MPVYWAMV	I	I & II
	Adams	MRISWA01	I	I & II
	Renton	RNTNWA01	I	I & II
	Seattle East	STTLWA03	I	I & II
	Seattle Emerson	STTLWA04	I	I & II
	Seattle Atwater	STTLWA05	I	I & II
	Seattle Main	STTLWA06	I	I & II
	Campus Melrose	STTLWACA	I	I & II
	Seattle Cherry	STTLWACH	I	I & II
	Seattle Duwamish	STTLWADU	I	I & II
	Seattle Elliott	STTLWAEL	I	I & II
	Lakeview	STTLWALA	I	I & II
	Parkway	STTLWAPA	I	I & II
	Sunset	STTLWASU	I	I & II
	Seattle West	STTLWAWE	I	I & II
	Waverly 2	TACMWAWV	I	I & II

(N)

**23. WIRE CENTERS**

(N)

**23.14 WASHINGTON (Cont'd)**

MSA	WIRE CENTER	CLLI-8 CHAR. LOCATION CODE	QUALIFIED FOR PHASE	
			CTE EU	ALL OTHER COMPONENTS
<u>Spokane</u>				
	Elk	ELKWA01	I & II	I & II
	Greenbluff	GRBLWA01	I & II	I & II
	Liberty Lake	LBLKWA01	I & II	I & II
	Newman Lake	NWLKWA01	I & II	I & II
	Riverside	SPKNWA01	I & II	I & II
	Chestnut	SPKNWACH	I & II	I & II
	Fairfax	SPKNWAFa	I & II	I & II
	Hudson	SPKNWAHD	I & II	I & II
	Keystone	SPKNWAKY	I & II	I & II
	Moran	SPKNWAMO	I & II	I & II
	Walnut	SPKNWAWA	I & II	I & II
	Whitworth	SPKNWAWH	I & II	I & II
<u>Tacoma</u>				
	Buckley	BCKLWA01	I	I & II
	Crystal Mtn	CRMTWA01	I	I & II
	Graham	GRHMWAGR	I	I & II
	Puyallup	PYLPWA01	I	I & II
	Roy	ROYWA01	I	I & II
	Sumner	SMNRWA01	I	I & II
	Tacoma-Fawcett	TACMWAFa	I	I & II
	Fort Lewis	TACMWAFI	I	I & II
	Greenfield	TACMWAGF	I	I & II
	Juniper	TACMWAJU	I	I & II
	Lenox	TACMWALE	I	I & II
	Logan	TACMWALO	I	I & II
	Skyline	TACMWASY	I	I & II
	Waverly	TACMWAWA	I	I & II
<u>Yakima</u>				
	Yakima	YAKMWA02	I & II	I & II
	West Yakima	YAKMWawe	I & II	I & II

(N)



**23. WIRE CENTERS**

**23.15 WYOMING**

There are no Pricing Flexibility wire centers in Wyoming.

(N)  
—  
(N)

**24. CONTRACT TARIFFS**

**Alphabetical By SUBJECT**

**PAGE**

General .....

24-1

(N)

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**24. CONTRACT TARIFFS**

**24.1 GENERAL**

This Section contains customer contracts.

(N)  
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