

**9. DIRECTORY ASSISTANCE SERVICE**

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## **9. DIRECTORY ASSISTANCE SERVICE**

### **9.1 GENERAL DESCRIPTION**

Directory Assistance Service, hereinafter called Voice Directory Assistance (Voice DA) Service, provides subscriber listing information to the requesting customer. The listing information is comprised of name, telephone number, address, and/or ZIP code. Voice DA Service provides Directory Access Service to Voice DA locations, use of Voice DA access equipment and use of Voice DA agents to provide listing information on a regional and national basis.

A Company Voice DA operator, when furnished a name and locality, will provide or attempt to provide the telephone number listed in the Company DA records associated with the name given at the rates and charges as set forth in 9.6.1, following. The Company's contact with the customer's end user shall be limited to that effort necessary to process a customer's end user's request for listing information. The Company will not transfer, forward or redial a customer's end user call to any other location for any purpose other than provision of Voice DA Service.

A maximum of two requests for telephone numbers shall be accepted per call to the Voice DA agent. A telephone number that is not listed in DA records will not be available to the customer's end user. Nonpublished subscriber telephone number information is not provided.

Three types of Voice DA Service are available.

#### **9.1.1 REGIONAL VOICE DA (RDA) SERVICE**

RDA Service is available for obtaining telephone numbers within the Company's 14 state region on a per Numbering Plan Area (NPA) specific basis.

(D-x)  
|  
(D-x)

#### **9.1.2 NATIONAL VOICE DA (NDA) SERVICE**

NDA Service is available for obtaining telephone numbers from any NPA in the United States, Canada and Puerto Rico. Customers with NDA Service may request Customized Branding as an optional feature. Customized Branding provides for the customer's name to be identified at the beginning and at the end of the call.

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**9. DIRECTORY ASSISTANCE SERVICE**

**9.1 GENERAL DESCRIPTION (Cont'd)**

**9.1.3 NATIONAL VOICE DA (NDA) SERVICE WITH CALL COMPLETION LINK (CCL)**

NDA Service, as described above, with InterLATA Call Completion Link (CCL) is an optional service available to Interexchange Carriers (ICs) and Wireless Service Providers (WSPs). This offering allows the Company to connect the end user to the National Directory Assistance (NDA) Database when dialing 1-NPA-555-1212. The Call Completion Link (CCL) feature then returns the end user to their IC's switch so that they can be connected to the requested telephone number over the IC's long distance network.

Call Completion Link (CCL) is available with or without Release to Pivot (RTP) capability. SS7 out of band signaling is required and may be ordered out of Section 6.3.1, preceding. This service must be designed in accordance with Telcordia Technical Reference GR-3016-CORE and Qwest Corporation Technical Publications PUB 77342.

(D-x)

(D-x)

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**9. DIRECTORY ASSISTANCE SERVICE**

**9.2 OPTIONAL FEATURES**

**9.2.1 CUSTOMIZED BRANDING**

Customized Branding is an optional feature available with RDA, NDA, and NDA with CCL. Customized Branding identifies the customer providing directory assistance to their end users. With Customized Branding, a recorded announcement shall be provided to the calling end user before the Voice DA operator begins handling the Voice DA call and at the conclusion of the call.

(T-x)

When the customer requests Customized Branding, the Company and the customer shall mutually agree on the branding information. The Company shall establish the recorded announcement. The recorded announcement may be changed on a subsequent basis when requested by the customer. Rate regulations for Customized Branding are specified in 9.5.3, following.

(D-x)  
(T-x)

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**9. DIRECTORY ASSISTANCE SERVICE**

**9.3 UNDERTAKING OF THE COMPANY**

**9.3.1 VOICE DA LOCATIONS**

For RDA, the Company shall specify the Voice DA location which provides the Voice DA Service for each NPA. The Voice DA locations are as shown in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

For NDA and NDA with CCL, the Company and the customer will mutually agree on the Voice DA location. (T)

When it becomes necessary, as determined by the Company, to change a Voice DA location, the Company will notify the involved customers six months prior to the change. For such changes, the regulations as set forth in 2.1.7, preceding, apply.

Voice DA Service may, at the option of the customer, be provided for interstate and intrastate communications. When the customer requests such mixed access, the interstate Voice DA Service charges shall be determined by the Company using the data furnished by the customer as set forth in 2.3.10, preceding.

Except as set forth in 9.5.7., following, a Voice DA order is subject to the order conditions as set forth in Section 5, preceding.

**9. DIRECTORY ASSISTANCE SERVICE**

**9.3 UNDERTAKING OF THE COMPANY (Cont'd)**

**9.3.2 TRANSPORT FACILITIES AND MANNER OF PROVISIONING**

When Voice DA Service is ordered, a two-way voice frequency transmission path is provided by the Company to transport calls in the terminating direction (from the premises of the ordering customer to the Voice DA location) utilizing Switched Transport facilities. These facilities include:

- For RDA, NDA and NDA with CCL, an Entrance Facility for the transport from the customer's premises to the SWC of that premises, as described in A., following, (D-x)
- For RDA, NDA and NDA with CCL, a Direct-Trunked Transport facility between the SWC of the customer's premises and the Voice DA location for direct routed traffic as described in B., following, or (D-x)
- For RDA only, a Direct-Trunked Transport facility between the SWC of the customer's premises and the access tandem and Tandem-Switched Transport between the access tandem and the Voice DA location when tandem switching functions are utilized. Tandem-Switched Transport includes the switching functions performed by the access tandem as described in C., following, and
- Interface Group and Premises Interface Codes as described in H., following.

- A. The Entrance Facility rate category provides the transport between the customer's premises and the SWC of that premises. The Entrance Facility rate is described in 6.1.2, preceding, and the rates for Entrance Facilities are set forth in 6.8, preceding, based on the facility provided, DS3, DS1 or Voice Grade.

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**9.3 UNDERTAKING OF THE COMPANY**

**9.3.2 TRANSPORT FACILITIES AND MANNER OF PROVISIONING (Cont'd)**

- B. For direct-routed RDA, NDA and NDA with CCL traffic, Direct-Trunked Transport (DTT) provides the transport from the SWC of the customer's premises to a Voice DA location. Direct-Trunked Transport facilities are described in 6.1.2, preceding, and the rates for DTT facilities for Voice DA are set forth in 6.8, preceding, based on the facility provided, DS3, DS1 or Voice Grade. Tandem routing is not available with NDA Service. (D-x)
- C. For tandem routed RDA traffic only, DTT provides the transport from the SWC of the customer's premises to the access tandem and Tandem-Switched Transport (TST) provides the transmission facilities between the access tandem and the Voice DA location. The DTT rates are as set forth in B., preceding. The TST rate category is comprised of a Transport Fixed per-call rate, Transport Per-Mile, per-call rate, a Tandem Switching per-call rate, a Common Transport Multiplexing per-call rate and an Access Tandem Trunk Port rate. The TST rate elements are described in 6.1.2, preceding. The TST rates for Voice DA are set forth in 9.6.1, following.
- D. For purposes of determining mileage for DTT and TST, distance will be measured to the Voice DA location(s) for Voice DA service based on the mileage measurement rules as set forth in 6.7.11, preceding. The mileage for transport is measured from the serving wire center for the premises of the ordering customer to the Voice DA location. Title Page notwithstanding, these two wire centers may be in different LATAs for RDA. In addition, the premises of the ordering customer must be in the LATA where RDA service is requested or in the LATA where the RDA Voice DA switch is actually located. For NDA or NDA with CCL, the serving wire center for the premises of the ordering customer shall always be in the same LATA as the NDA Voice DA location. (D-x)  
(D-x)

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**9. DIRECTORY ASSISTANCE SERVICE**

**9.3 UNDERTAKING OF THE COMPANY**

(T)

**9.3.2 TRANSPORT FACILITIES AND MANNER OF PROVISIONING (Cont'd)**

(T)

- E. For RDA on the customer's order for service, the customer shall specify if the Entrance Facility is new or existing. In addition, the customer shall request direct routing or tandem routing. The Company will make the final determination based on facilities, whether the RDA Service is to be routed directly to a Voice DA location or through an access tandem switch appropriately equipped for Voice DA measurement and served by Voice DA trunks to the Voice DA location. The combination of Trunkside Switched Access Service with Voice DA Service will only be provided at such available and appropriately equipped access tandem switches. If the customer desires the traffic routing to be other than that selected by the Company, it may request a cooperative effort to determine if customer-specified traffic routing can be used in lieu of the Company-selected traffic routing.

(T)(M)

When Directory Transport is provided using a direct route to the Voice DA location, no address signaling is provided. When Directory Transport is provided with the use of an access tandem switch, wink start-start pulsing signaling is provided at the access tandem switch. The customer will be notified by the Company when access tandem routing is provided and the customer shall address each call to the Voice DA location using NPA+555-1212, NPA+131, or, when required by the Company, 555-1212. Only NPA codes handled by the Voice DA location served by the access tandem switch will be processed.

When required by the Company, a separate trunk group will be provided for RDA Service for each NPA. Separate trunk groups will be required when the Company notifies the customer that the mechanized search of its database and its mechanized operator practices require a mechanized identification of the NPA code for which the customer's end user desires RDA information.

(M)

Certain material on this page formerly appeared on Page 9-5.

Certain material previously found on this page can now be found on Page 9-7.

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**9. DIRECTORY ASSISTANCE SERVICE**

**9.3 UNDERTAKING OF THE COMPANY**

**9.3.2 TRANSPORT FACILITIES AND MANNER OF PROVISIONING (Cont'd)**

- F. For NDA or NDA with CCL on the customer's order for service, the customer shall specify if the Entrance Facility that is going to be utilized is new or existing. Direct routing to the Voice DA location is required. Tandem routing is not available for NDA or NDA with CCL Service. No address signaling is provided for NDA. Trunkside Switched Access Service cannot be combined with NDA or NDA with CCL.
- G. The number of Directory Transport transmission paths provided is based on the customer's order and is determined by the Company in a manner similar to Switched Access Service transmission paths as set forth in 6.5.7, preceding.
- H. Interface Group and Premises Interface Codes

Interface Groups 2, 6 and 9 as set forth in 6.1.2.A.3., preceding, are available for RDA Service when combined with Trunkside Switched Access Service. When RDA Service is combined with Trunkside Switched Access Service, via TST, the Premises Interface Code for the combination will be the available Premises Interface Code for the Trunkside Switched Access Service ordered by the customer. When only RDA, NDA or NDA with CCL, Service is provided, only Interface Groups 2 and 6 are available with the following Premises Interface Codes:

(D-x)

<b>PREMISES INTERFACE CODE</b>	<b>AVAILABILITY</b>
4DS9-15[1]	S
6EA2-E	S
6EA2-M	S

I. Supervisory Signaling

Trunkside switching is provided at the Voice DA Service access location. The Voice DA Service access location will provide trunk answer and disconnect supervisory signaling.

(D-x)

[1] DS can be substituted with DJ or DU for additional interface combinations. See 7.1.6.C., preceding, for explanation.

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**9. DIRECTORY ASSISTANCE SERVICE**

**9.3 UNDERTAKING OF THE COMPANY (Cont'd)** (T)

**9.3.3 SPECIAL FACILITIES ROUTING** (T)(M)

A customer may request that Voice DA Service be provided via Special Facilities Routing. The regulations, rates and charges for Special Facility Routing (i.e., Diversity) are as set forth in Section 11, following.

**9.3.4 DESIGN LAYOUT REPORT** (T)

The Company will provide to the customer the makeup of the facilities and services provided under this section as Voice DA Service. This information will be provided in the form of a Design Layout Report similar to that as set forth in 6.1.4, preceding. Design Layout Reports for Voice DA Service will be provided only when specifically requested by the customer. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever the facilities provided for the customer's use are materially changed.

**9.3.5 TRANSMISSION TYPE A1 AND B1 PERFORMANCE** (T)

Voice DA Service is provided with either Transmission Type A1 or B1 performance. The performance associated with the standard transmission parameter limits are guaranteed to the Voice DA location, whether routed directly or via an access tandem. Transmission Type B1 performance is provided with Interface Groups 2, 6 and 9 in all states except in ID (Spokane LATA), OR and WA, where Interface Groups 2 and 6 are provided when routed directly to a Voice DA location. Transmission Type A1 performance is provided with Interface Groups 2, 6 and 9 in all states, except in ID (Spokane LATA), OR and WA, where Interface Groups 2 and 6 are provided.

When RDA Service is combined with CST3 or Feature Group D Switched Access Service, either Transmission Type A1 or Type B1 performance is provided. When RDA Service is combined with CST1, CST2, Feature Group B or Feature Group C Switched Access Service, Transmission Type B1 performance is provided.

Transmission Type A1 and Type B1 standard transmission parameter limits are described in 6.4.1, preceding.

(M)  
(D)  
|  
(D)

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**9. DIRECTORY ASSISTANCE SERVICE**

**9.3 UNDERTAKING OF THE COMPANY (Cont'd)**

(T)

**9.3.6 ACCEPTANCE TESTING AND TESTING CAPABILITIES**

(T)(M)

The acceptance testing and testing capabilities for Voice DA Service traffic routed through an access tandem are the same as those for the associated CST2, CST3, Feature Group C or D end office switching. The acceptance testing for Voice DA Service traffic routed directly to or routed in a separate trunk group through an access tandem to the Voice DA location will be as set forth in 6.1.5, preceding. The testing capabilities for Voice DA Service traffic routed directly to or routed in a separate trunk group through an access tandem to the Voice DA location will be as set forth for cooperative scheduled testing or manual scheduled testing in Section 13, following.

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## **9. DIRECTORY ASSISTANCE SERVICE**

### **9.4 OBLIGATIONS OF THE CUSTOMER**

Following are the obligations of the customer for Voice DA Service:

- The customer shall determine and order the capacity and interface type of Directory Access Services it needs for Voice DA Service.
- The customer facilities at the premises of the ordering customer shall provide the necessary on-hook and off-hook supervision.
- For RDA Service, when required by the Company, the customer shall order a separate trunk group for Voice DA Service for each NPA. The conditions when the customer will be requested to order a separate trunk group for each NPA are set forth in 9.3.2, preceding.
- The customer shall be responsible for all contacts and arrangements concerning the provision and maintenance of, and the billing and collecting of charges for Voice DA service furnished to their end users.
- The customer understands that Voice DA Operators will respond to at most two requests for telephone numbers per call and will not transfer, forward or redial the call to another location for any purpose other than the provision of Voice DA Service.
- When ordering RDA, NDA or NDA with CCL, the customer must provide the Company an estimate of the amount of traffic it will generate on a per month basis for a twelve month period. (D-x)
- When the customer requests NDA or NDA with CCL with Customized Branding, the Company and the customer shall mutually agree on the branding information. (D-x)  
(D-x)

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**9. DIRECTORY ASSISTANCE SERVICE**

**9.5 RATE REGULATIONS**

**9.5.1 SWITCHED TRANSPORT**

Entrance Facility and Direct-Trunked Transport facility rates are applied as set forth in 6.7.1, preceding.

The TST rates, Tandem Transmission, Tandem Switching, and Common Transport Multiplexing, are assessed for each call to Voice DA Service utilizing tandem routing. The rates are set forth in 9.6.1, following. The Access Tandem Trunk Port (ATTP) charge is applied as set forth in 6.7.1, preceding. If the customer combines Voice DA trunks with Trunkside Switched Access Service, only one ATTP charge per trunk is assessed.

**9.5.2 SERVICE CALL**

An RDA, NDA or NDA with CCL charge applies for each call to Voice DA Service and is in addition to the rates described in 9.5.1., preceding. (Local Switching rates are not assessed to Voice DA Service.) The rates are set forth in 9.6.1, following. All Voice DA calls utilizing an RDA trunk are billed at the RDA per call rate. All Voice DA calls utilizing an NDA trunk are billed at the NDA or NDA with CCL per call rate. A call is a call which has been answered by a Voice DA operator. The charge applies whether or not the Voice DA operator provides the requested telephone number. The number of calls answered by Voice DA operators will be accumulated by Company measuring equipment. A credit for the provision of an incorrect telephone number will be applied as set forth in 9.5.11, following.

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**9. DIRECTORY ASSISTANCE SERVICE**

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

**9.5.3 CUSTOMIZED BRANDING**

(T-x)

A nonrecurring Establishment Charge applies to set up and record the opening and closing brands. This Establishment Charge also applies for any subsequent change to the opening or closing brands after the initial recording is established. In addition, a nonrecurring charge applies to establish or subsequently change the announcement on a loading per Brand basis. These charges are in addition to any applicable Voice DA nonrecurring charges associated with the establishment of DA trunk groups. Voice DA rates and charges are set forth in 9.6.1, following.

(C-x)

(C-x)

**9.5.4 RESERVED FOR FUTURE USE**

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**9. DIRECTORY ASSISTANCE SERVICE**

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

(M)

**9.5.5 MINIMUM PERIOD**

There is no minimum period requirement for Voice DA Service.

**9.5.6 MINIMUM MONTHLY CHARGE**

Voice DA Service is subject to a minimum monthly charge. The minimum monthly charge consists of the following elements:

For those rate elements that are billed a flat monthly rate, i.e., Directory Transport options, the minimum monthly charge is the monthly rate as set forth in 9.6.1, following.

The minimum monthly charge for Directory Transport is the charge as set forth in 9.6.1, following, for the actual usage for the month.

Certain material previously found on this page can be found on Page 9-11.

**9. DIRECTORY ASSISTANCE SERVICE**

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

**9.5.7 CANCELLATION OF A VOICE DA ORDER**

A customer may cancel an order for Voice DA Service on any date prior to the service date. The cancellation date is the date the Company receives written or verbal notice from the customer that the order is to be cancelled. The verbal notice must be followed by written confirmation within 10 days.

When a customer cancels an order for Voice DA Service after the order date but prior to the start of service, the appropriate charges as set forth in Section 5, preceding, apply for the Directory Access Service cancelled. In addition, a charge equal to any unrecoverable capital costs incurred by the Company will apply to the customer.

**9.5.8 CHANGES TO ORDERS**

When a customer requests changes to a pending order for Voice DA Service, such changes will be undertaken if the Company can accommodate them. The appropriate charges as set forth in Section 5, preceding, apply for the Directory Access Service changed. In addition, a charge equal to any other costs incurred by the Company because of the change will apply.

**9.5.9 MOVES**

A move involves a change in the physical location of the point of termination at the customer premises or of the customer premises. Moves for Voice DA Service will be treated as set forth in 6.7.6, preceding, and all associated nonrecurring charges will apply.

**9.5.10 SERVICE REARRANGEMENTS**

For RDA, NDA and NDA with CCL, nonrecurring charges shall apply for service rearrangements. If a customer has existing direct routed Voice DA trunks to an existing NDA or NDA with CCL Voice DA location and chooses to convert those trunks to NDA or NDA with CCL Service, service rearrangement charges shall apply to change the existing trunks to NDA trunks. Service rearrangements and applicable charges are as set forth in 6.7.1.C.3., preceding.

(D-x)

(D-x)

(D-x)

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**9. DIRECTORY ASSISTANCE SERVICE**

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

(T)(M)

**9.5.11 CREDIT ALLOWANCE FOR VOICE DA SERVICE**

(T)

When a Voice DA operator or Voice DA equipment provides an incorrect number for a call and the customer reports such an occurrence to the Company, a credit allowance for such Voice DA call will apply. The credit will be as set forth following. When the customer reports such a call and the number requested, the number provided, and the reason the number provided is incorrect, the number of calls for which a credit will apply will be developed by the Company in cooperation with the customer.

(T)

(T)

In the event that the telephone number is unavailable to the Voice DA operator, no credit applies for the charge for the call to the Voice DA operator.

(T)

When a Voice DA call is not completed due to the failure of Directory Access Service to Voice DA locations, Voice DA access equipment or Voice DA operator activities, a credit allowance for the Switched Access Service portion in the originating LATA of such Voice DA call will apply. When the customer reports such a call and the Voice DA number dialed, time of the call and the date of the call, the Company in cooperation with the customer shall develop the number of calls for which a credit shall apply. The credit will be as set forth following:

(T)

**CREDIT  
PER CALL**

- Credit per call when Switched Access Service is billed using Transitional per minute rates \$0.002809
- Credit per call when Lineside Access, CST1 or Feature Group B Switched Access Service is billed using Premium per minute rates 0.006111
- Credit per call when CST2, CST3, Feature Group C or D Switched Access Service is billed using Premium per minute rates 0.006276

(M)

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**9. DIRECTORY ASSISTANCE SERVICE**

**9.6 RATES AND CHARGES**

**9.6.1 VOICE DIRECTORY ASSISTANCE SERVICE**

**A. Switched Transport for Voice DA**

1. Entrance Facilities Monthly recurring rates [1]
2. Direct-Trunked Transport Monthly recurring rates [1]
3. Tandem-Switched Transport

- Tandem Transmission Rates, per call

<b>CALL MILES</b>	<b>FIXED</b>	<b>PER MILE</b>
0	—	—
0 to 8	\$0.000126 (R)	\$0.000034 (I)
Over 8 to 25	0.000161	0.000019 (I)
Over 25 to 50	0.000166	0.000012 (R)
Over 50	0.000168 (R)	0.000011 (R)

**RATE**

- Tandem Switching, per call \$0.000524
- Common Transport Multiplexing, per call 0.000023
- Access Tandem Trunk Port [1]

**RATE**

- B. Voice DA Trunk Installation Charge [1]**

[1] As set forth in 6.8, preceding.

**9. DIRECTORY ASSISTANCE SERVICE**

**9.6 RATES AND CHARGES**

**9.6.1 VOICE DIRECTORY ASSISTANCE SERVICE (Cont'd)**

**C. Voice DA Service Call**

	<b>RATE</b>
• RDA Service Call, per call	\$0.28
• NDA Service Call, per call	0.27
• NDA Service Call with Call Completion Link, per call	0.28

(D-x)

(D-x)

**D. Optional Features**

	<b>NONRECURRING CHARGE</b>
• Customized Branding	
- Per Recorded Announcement, Establishment or Subsequent Change Charge	\$35,000.00
- Loading per Brand, Establishment or Subsequent Change Charge	500.00

(C-x)

(C-x)

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**9. DIRECTORY ASSISTANCE SERVICE**

**9.7 OPERATOR SERVICES-AUTOMATIC CALL DISTRIBUTION SERVICE (OS-ACD)**

(N)

**A. General**

The Company will use Nortel's Traffic Operator Position System (TOPS™) to provide Operator Services-Automatic Call Distribution (OS-ACD) Service. (TOPS™ is a Nortel registered trademark.) OS-ACD Service will provide operator distribution functionality to customers who deliver calls to the Company's network. The Company will queue, route, and manage calls to customer-provided operator terminals that are compatible with Nortel's Open Position Protocol (OPP). The number of positions served and the call processing capacity of OS-ACD Service is engineered based on the customer's requirements and the Company's available capacity.

1. The customer is responsible for transport facilities required to transport calls to the designated OS-ACD switch.
2. The customer is responsible for interconnecting facilities between the designated OS-ACD switch and the customer's Operator Service Position (OSP).

**B. Availability**

OS-ACD Service is available at switch locations designated by the Company and as identified in National Exchange Carrier Association (NECA) Tariff F.C.C. No. 4. Additional switch locations will be added, and will be published in the NECA Tariff F.C.C. No. 4, as facilities become available.

**C. Technical Requirements**

Nortel's Open Position Protocol (OPP) is used as the network interface between OS-ACD Service and the customer's OSPs. The OPP network interface is defined in Nortel Document No. NISQ214-1. Compatible customer-provided equipment (CPE) and software will also be required.

**D. Rate Regulations**

1. Rates are applied per call delivered to the Company's network.
2. Testing and implementation is required and will be priced on an individual case basis.

**E. Rates and Charges**

OS-ACD Service, per call \$0.0524

(N)

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**9. DIRECTORY ASSISTANCE SERVICE**

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1801 California Street, Denver, Colorado 80202

**9. DIRECTORY ASSISTANCE SERVICE**

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1801 California Street, Denver, Colorado 80202



**9. DIRECTORY ASSISTANCE SERVICE**

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**9. DIRECTORY ASSISTANCE SERVICE**

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**9. DIRECTORY ASSISTANCE SERVICE**

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**9. DIRECTORY ASSISTANCE SERVICE**

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**9. DIRECTORY ASSISTANCE SERVICE**

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**9. DIRECTORY ASSISTANCE SERVICE**

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**9. DIRECTORY ASSISTANCE SERVICE**

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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

<b>Alphabetical By SUBJECT</b>	<b>PAGE</b>
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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.1 GENERAL**

This section covers Access Services that are provided to a customer for use only by agencies or branches of the Federal Government and other users authorized by the Federal Government. Services provided to state emergency operations centers are included. These services provide for command and control communications, including communications for national security, emergency preparedness and presidential requirements. They are required to assure continuity of Government in emergency and crisis situations and to provide for national security. In addition, this section covers the Telecommunications Service Priority (TSP) System service and procedures, as set forth in 10.8.1.D., since it is administered by the Federal Government.

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

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.2 EMERGENCY CONDITIONS**

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

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

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.3 INTERVALS TO PROVIDE SERVICE**

Certain services provided under the provisions of this section of the Tariff are provided on an individual case basis. Therefore, orders for such service shall be placed under the Negotiated Interval provisions set forth in 5.2.1.B., preceding.

**10.4 SAFEGUARDING OF SERVICE**

**10.4.1 FACILITY AVAILABILITY**

In order to insure communications during periods of emergency, the Telephone Company will, within the limits of good management, make available the necessary facilities to restore service in the event of damage or to provide temporary emergency service as set forth in 10.8.1.D. and 10.8.2.D., following.

**10.4.2 UTILIZATION OF GOVERNMENT OWNED FACILITIES**

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

**10.5 FEDERAL GOVERNMENT REGULATIONS**

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

**10.6 MILEAGE APPLICATION**

Mileage, when used for rate application between two customer premises shall be determined by the V and H Coordinates Method as set forth in National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4. and administered as set forth in 7.1.1.E., preceding.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.7 MOVES**

When service without a maximum termination liability charge associated with it, as set forth in 10.8.1 and 10.8.2, following, is moved to a different building within the same LATA, the nonrecurring charge applies; when moved to a new location in the same building, a charge of one-half the nonrecurring charge applies.

When service with a maximum termination liability charge associated with it, as set forth in 10.8.1 and 10.8.2, following, is moved and is reinstalled at a new location, the customer may elect:

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

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

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

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

**10.8.1 TYPE AND DESCRIPTION**

**A. Voice Grade Service**

**1. Voice Grade Secure Communications Type I**

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

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

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

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

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

A.1. (Cont'd)

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

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

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

2. Voice Grade Secure Communications Type II

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

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

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

A. Voice Grade Service (Cont'd)

3. Voice Grade Secure Communications Type III

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

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

4. Voice Grade Secure Communications Type IV

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

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

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION (Cont'd)**

**B. Wideband Digital Service**

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

**1. Wideband Secure Communications Type I**

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

**2. Wideband Secure Communications Type II**

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

**3. Wideband Secure Communications Type III**

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

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

**C. Special Routing Access Service**

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



**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

**C. Special Routing Access Service (Cont'd)**

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

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

**D. Telecommunications Service Priority (TSP) System**

1. Priority installation and/or restoration of National Security Emergency Preparedness (NSEP) telecommunications services shall be provided in accordance with Part 64.401, Appendix A of the Federal Communications Commission's (FCC's) Rules and Regulations.

In addition, TSP System service shall be provided in accordance with the guidelines set forth in "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service Vendor Handbook" (NCS) H 3-1-2 dated July 9, 1990, and "Telecommunications Service Priority (TSP) System for National Security Emergency Preparedness (NSEP) Service User Manual" (NCS) M 3-1-1.

The TSP System is a service, developed to meet the requirements of the Federal Government, as specified in the Service Vendor Handbook and Service User's Manual, which provides regulatory, administrative and operational framework for the priority installation and/or restoration of NSEP telecommunications services. The TSP System applies only to NSEP telecommunications services, and requires and authorizes priority action by the Telephone Company providing the service.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

**D. Telecommunications Service Priority (TSP) System (Cont'd)**

2. The TSP System's applicability is limited to Access Services which the Telephone Company can discreetly identify for priority provisioning and/or restoration.
3. Other regulations, rates and charges for services provided in conjunction with TSP System apply as specified elsewhere in this Tariff (e.g., expedited order charge, Special Construction, due date change charge, etc.)
4. The customer for TSP System service also must be the same customer for the Access Service with which it is associated.
5. Under certain conditions, it may be necessary to preempt one or more customer services with a lower or no restoration priority in order to install or restore NSEP telecommunications service(s) of a higher priority. If such preemption is necessary, and if circumstances permit, the Telephone Company will make reasonable effort to notify the preempted service customer of the action to be taken. Credit allowance for such service preemption shall be made in accordance with the provisions set forth in 2.4.4.E., preceding, concerning Temporary Surrender of a Service.
6. The customer, in obtaining TSP System service, acknowledges and consents to the provision of customer service record information by the Telephone Company to the Federal Government, as specified in the TSP Service Vendor Handbook, in order for the Government to administer and maintain its overall TSP System. This customer service record information will include TSP Authorization Code and Telephone Company Circuit/Service ID, customer telephone number and customer service location.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

**D. Telecommunications Service Priority (TSP) System (Cont'd)**

7. When Priority Restoration Administration and Maintenance, as defined in the TSP Service Vendor Handbook, is discontinued (revocation of assigned Priority Restoration), and the associated Access Service is continued in service, the charge specified in 10.8.2.D.2., following, will not apply for such a discontinuance.
8. Credit allowance for service interruption for Priority Restoration Administration and Maintenance shall be the same as for the Access Service with which it is associated as set forth in 2.4.4, preceding.
9. Certain activities performed by the Telephone Company in association with the TSP System are included in the rate elements as follows:
  - a. Priority Installation Invocation includes system development, verification and confirmation.
  - b. Priority Restoration Level Implementation includes system development, verification and confirmation.
  - c. Priority Restoration Level Change includes verification and confirmation.
  - d. Priority Restoration Administration and Maintenance includes reconciliation.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

**D. Telecommunications Service Priority (TSP) System (Cont'd)**

10. Existing Restoration Priority (RP) assignments will remain in effect for 30 months (until March 31, 1993). If a customer converts RP Service to TSP, the customer will incur the Priority Restoration level implementation nonrecurring charge as specified in 10.8.2.D.2., following.
11. The customer recognizes that quoting charges and obtaining permission to proceed with the installation and restoration of certain Access Services will cause unnecessary delays. In subscribing to TSP System, the customer recognizes this condition and grants the Company the right to quote charges after the work has been completed.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION (Cont'd)**

**E. High Altitude Electro Magnetic Pulse Protected Service**

High Altitude Electro Magnetic Pulse Protected Service is available in as either 45 Mbps Service (HEMP45), as set forth in 10.9.2, following, or as a Bandwidth Capacity of 622.08 Mbps Service (HEMP622) for any government agency or their agent between the locations as set forth in 10.8.2, following.

**1. Basic Channel Description**

HEMP is a high capacity channel for the transmission of either 44.736 Mbps isochronous serial data having a line code of bipolar three zero substitution (B8ZS) or synchronous transmission of Bandwidth Capacity of 622.08 Mbps. HEMP channels are provided between the customer-designated premises as set forth in 10.9.2, following. HEMP 44.736 Mbps Channel Terminations, located in HEMP enclosures provided by the customer, are available utilizing an electrical interface only. HEMP 622.08 Mbps terminating equipment, located in HEMP enclosures provided by the customer, is available utilizing channelized interfaces only.

HEMP is either a protected 44.736 electrical arrangement similar to the Company's existing electrical DS3 Service (offered in Section 7, preceding) or a protected Synchronous Service Transport (SST) (offered in Section 7, preceding). The similarity is that the signal handed off to the customer at the network interface is identical. HEMP is provisioned using fiber facilities only.

HEMP technical specifications are the same as electrical DS3 Service specifications referenced in Qwest Corporation Technical Publication PUB 77324 and SST Service specifications referenced in Qwest Corporation Technical Publication PUB 77346.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

**E. High Altitude Electro Magnetic Pulse Protected Service**

**1. Basic Channel Description (Cont'd)**

**a. HEMP45**

HEMP45 is available on an individual case basis only and is limited to existing customers. HEMP45 is a high capacity channel for the transmission of 44.736 Mbps isochronous serial data having a line code of bipolar three zero substitution (B8ZS). HEMP45 channels are provided between customer-designated premises. HEMP45 Channel Terminations, located in HEMP enclosures provided by the customer, are available utilizing an electrical interface only.

HEMP45 is a protected 44.736 Mbps electrical arrangement similar to the Company's electrical DS3 Service (offered in Section 7, preceding). HEMP45 is provisioned using fiber facilities only. HEMP45 technical specifications are the same as electrical DS3 Service specifications referenced in Qwest Corporation Technical Publication PUB 77324.

**b. HEMP622**

HEMP622 is a protected synchronous transmission of Bandwidth Capacity of 622.08 Mbps. HEMP622 channels are provided between customer-designated premises. HEMP622 terminating equipment, located in HEMP enclosures provided by the customer, is available in channelized interfaces only.

HEMP622 is a protected arrangement similar to the Company's protected Synchronous Service Transport (SST) offered in Section 7, preceding. HEMP622 is provisioned using fiber facilities only. HEMP622 technical specifications are the same as SST specifications referenced in Qwest Corporation Technical Publication PUB 77346.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E.1. (Cont'd)

c. Channel Interfaces

The channel interface availability for HEMP45 is the same as that offered with electrical DS3 Service. The Channel Interface availability for HEMP622 will be identical as offered under SST Service Bandwidth Capacity of 622.08 Mbps channelized to provide OC3 ports only. The differences between HEMP45 and DS3 Service or HEMP622 and SST are: (1) HEMP45 or HEMP622 fiber optic terminals are located only on the customer's premises and are not placed in any Company wire center; (2) the entire facility used to provide the HEMP arrangement is dedicated to one customer; (3) performance monitoring functions are remotely monitored.

d. HEMP Components

(1) HEMP45

HEMP45 is comprised of a Service Activation Charge for the Initial System from Cheyenne Mountain to Schriver Air Force Base, a One Circuit element.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E.1.d. (Cont'd)

(2) HEMP622 Components

HEMP622 is comprised of a Bandwidth Capacity of 622.08 Mbps channelized with the capability to provide up to a total of 4 OC3 Ports per each end of the System (e.g., The Cheyenne Mountain to Schriver Air Force Base System could have a total of 4 OC3 ports at the Cheyenne Mountain end of the System and a total of 4 OC3 ports at the Schriver Air Force Base end of the System).

The Initial System (Cheyenne Mountain to Schriver Air Force Base only) will be comprised of the Bandwidth Capacity of 622.06 Mbps with one OC3 port (one port will be activated at each end of the Bandwidth Capacity). Each subsequent leg will be comprised of the Bandwidth Capacity of 622.08 Mbps with one OC3 port activated (one port will be activated at each end of the Bandwidth Capacity).

The customer must order at least one Per System (One Circuit) between each set of locations. Additional OC3 ports may be added at any time after the initial order.

2. Eligibility

HEMP45 is limited to the existing customer listed in 10.9.2, following, in Case No. 1. HEMP622 is available to customers or their agents if all the following conditions are met:

- All customer locations where HEMP622 will terminate are protected by customer provided HEMP enclosures located as set forth in 10.9.2, following.
- the customer using the service is an agency of the federal government and
- the HEMP is required to meet a national security requirement.



**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

**E. High-Altitude Electro Magnetic Pulse Protected Service (Cont'd)**

**3. Technical Specifications**

HC3 channel technical parameters are delineated in Qwest Corporation Technical Publication PUB 77324. SST channel technical parameters are delineated in Qwest Corporation Technical Publication PUB 77346.

**4. Channel Interfaces**

The channel interface defines the bit rate that is available for a high capacity channel. Compatible channel interfaces are set forth in the technical publication for the specific service.

**5. HEM Term Limitations**

**a. HEMP45**

The initial HEMP45 system must be ordered within eighteen months from the effective date of this tariff filing (February 27, 1994).

The ordering of the initial HEMP45 system initiates a 60 month fixed period service rate plan. An additional HEMP45 system(s) may be ordered at the customer's option as month-to-month service or for 12, 24, 36 or 60 month fixed period service rate plan. The customer must specify the length of the fixed period service for the HEMP45 at the time the service is ordered.

The rates billed under the existing 12, 24, 36 or 60 month fixed period rate plan may be extended at the existing fixed period plan rate for an additional 12 months up to 5 consecutive times. The customer must notify the Company 60 days prior to the expiration date of their current pricing plan to be eligible for this extension.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E.5. (Cont'd)

b. HEMP622[1]

HEMP622 system(s) may be ordered at the customer's option as month-to-month service or for 12, 24, 36 or 60 month fixed period service rate plan. The customer must specify the length of the fixed period service for the HEMP622 system at the time the service is ordered.

Additional OC3 ports added subsequent to the original installation must have a term limitation equal to the remaining months of the HEMP622 fixed period. For example, a customer has a HEMP622 under a 60 month fixed period plan that has been in for 23 months. The months remaining under the original fixed period would be 37 months. The fixed period for the additional ports would need to be no greater than 36 months.

[1] 12 month, 24 month, 36 month or 60 month fixed period service rate plan must be ordered to be co-terminus with or expire prior to the 60 month service window covered by this agreement.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E.5. (Cont'd)

c. Minimum Period

The minimum service period for HEMP45 and HEMP622 for month-to-month and all fixed periods is one month.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E.5. (Cont'd)

d. Termination Liabilities for Discontinuance of Service for HEMP45

If the customer chooses to discontinue all or a portion of the service prior to the expiration of the fixed period service, discontinuance charges will apply.

Should the customer choose to discontinue fixed period service prior to the completion of the fixed period service, discontinuance charges will apply.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E.5.d. (Cont'd)

Discontinuance charges will be the difference between the monthly recurring rate for the term the customer was billed and the monthly recurring rate for the longest service term that the customer should have been billed times the number of months in the longest term that the customer held service. In addition, interest will be applied to the total recurring charges that were underpaid. The length of the longest term that the customer held service is determined to be the longest tariffed service term that is less than or equal to the total months the service was held.

For example, a customer who leased service for 60 months, decides to discontinue service after 38 months. The customer would have satisfied the requirements of a 36 month term. The additional two months would be billed on a month-to-month basis. The month-to-month, 36 and 60 month rates are: \$1,350, \$1,215 and \$1,080 respectively, for this example. For 36 of the 38 months that the customer held service, the rate should have been \$1,215 per month, instead of \$1,080, equating to a monthly shortfall of \$135. For the last two months the customer held service, the rate should have been the month-to-month rate of \$1,350 per month, instead of \$1,080, equating to a monthly shortfall of \$270.

The payment shortfalls are (restated for future value calculations):

Months 1 -38:	\$135 per month
Months 37 -38:	an additional \$135 per month (\$270 minus \$135)

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E.5.d. (Cont'd)

$$\begin{array}{c} \\ 1 \text{ to } n \end{array} = \frac{A (1 + i)^n - 1}{i}$$

where A = \$135, n = 38, and i = .8333%

$$\begin{array}{c} \\ 1 \text{ to } 38 \end{array} = \frac{\$135 (1 + .008333)^{38} - 1}{.008333}$$

Solving: \$6,006.07 (38 months shortfall of \$135 plus \$867.07 interest)

Calculation 2, Months 37 -38

$$\begin{array}{c} \\ 1 \text{ to } n \end{array} = \frac{A (1 + i)^n - 1}{i}$$

where A = \$135, n = 2, and i = .8333%

$$\begin{array}{c} \\ 1 \text{ to } 2 \end{array} = \frac{\$135 (1 + .008333)^2 - 1}{.008333}$$

Solving: \$271.13 (2 months shortfall of \$135 plus \$1.13 interest)

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E.5.d. (Cont'd)

Calculation 3, Total Due from Customer

Difference in terms (contracted versus actual, 36 months at \$135)	\$5,130.00
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Plus Difference in terms (contracted versus month-to-month, for 2 months)	540.00
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Plus Interest	<u>877.20</u>
---------------	---------------

Total Discontinuance Charges due from Customer	\$8,047.20
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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

**E. High-Altitude Electro Magnetic Pulse Protected Service (Cont'd)**

**6. Termination Liability and Waiver for HEMP622**

**a. General**

Termination Liability and Waiver Policy provides the terms and conditions for customers subscribing to fixed period service (e.g. 12, 24, 36 or 60 months).

**b. Termination Liability**

If a customer chooses to discontinue the entire service or a portion of the service prior to the expiration of the fixed period, termination charges apply (unless the customer satisfies the conditions specified in the Waiver Policy as set forth in C., following). Should the customer choose to discontinue pricing plan service prior to completion of the minimum service period, termination charges equal to one-hundred percent (100%) of the total monthly charges for the remaining months of the minimum service period, plus fifteen percent (15%) of the total current monthly charges for the remaining portion of the fixed period will apply. Should the customer choose to discontinue fixed period service after the completion of the minimum period, termination charges equal to fifteen percent (15%) of the total current monthly charges for the remaining portion of the term will apply. For example, if a customer discontinues service after completing 17 months of a 36 month term, the termination charge will be the current monthly rate for the service multiplied by 15%, multiplied by 19 months.



**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E. High-Altitude Electro Magnetic Pulse Protected Service

6. Termination Liability Waiver for HEMP622 (Cont'd)

c. Waiver Policy

A waiver of the termination charge as set forth in B., preceding, may occur if the customer migrates to a greater fixed period service provided all of the following conditions are met:

- the customer must agree to a new fixed period for the service that is greater than the existing fixed period;
- the customer must satisfy the minimum service period requirement--should the customer choose to discontinue fixed period service prior to completion of the minimum service period, termination charges equal to one-hundred percent (100%) of the total monthly charges for the remaining months of the minimum service period, will apply;
- the total value of the new service must be equal to or greater than 115% of the remaining value of the existing pricing plan service (nonrecurring charges and Special Construction charges will not be used for the Waiver calculation);
- the order to change the existing fixed period service to the new fixed period for the service are received by the Company and must reference the application of the Waiver Policy;
- a new minimum service period applies to the new service; and
- the customer agrees to pay all outstanding recurring and nonrecurring charges (these charges will not be included in the new service fixed period recurring rates and charges.)

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E. High-Altitude Electro Magnetic Pulse Protected Service

6. Termination Liability and Waiver for HEMP622 (Cont'd)

d. Nonappropriations Clause

Termination charges do not apply to fixed period services purchased by local, State or Federal government entities (or to customers who have purchased services solely for resale to local, State or Federal government entities) when they are discontinued prior to the completion of the fixed period service only when all of the following conditions are met:

- The service(s) purchased by the local, State or Federal government entity or by customers that have purchased services for resale to local, State or Federal government entities are utilized solely for provision of services for that local, State or Federal government entity,
- Funding for the fixed period service ordered by the authorized local, State or Federal government entity is included in the budget request for each fiscal period appropriation sufficient to cover the authorized local, State or Federal government entity's obligations under the fixed period service for that fiscal period,
- Nonappropriation may not be used as a means of terminating the service to acquire a functionally similar product or service,
- The local, State or Federal government entity ordered the fixed period service under the good faith belief that moneys in amounts sufficient to discharge its obligations could and would lawfully be appropriated and be made available for this purpose, and

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

E.6.d. (Cont'd)

- The local, State or Federal government entity or the customer who ordered the service on their behalf, must provide the Company notarized documents agreed upon by both the Company and the customer, showing that the entity is allotted insufficient funds for the remainder of the then current fiscal period (or for a succeeding fiscal period) by appropriation, appropriation limitation or grant to continue payments under the fixed period service and has no other funding source lawfully available to it for such purpose. The fixed period service may be terminated by giving the Company not less than thirty (30) days' written notice. (Should the customer receive funding for the canceled service prior to physical disconnect of service, the customer may cancel the disconnect order per Section 5.) Upon termination, the local, State or Federal government entity or the customer who ordered the service on their behalf, shall pay all applicable rates and nonrecurring charges of the fixed period service incurred through the date of termination and through the end of the then current fiscal period to the extent of lawfully available funds.

**7. Rates and Charges**

Rates and charges for HEMP45 are set forth in 10.9, following. Rates and charges for HEMP622 are set forth in 10.8.2., following.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION (Cont'd)**

**F. Free-Framed DS1 Service**

**1. Basic Channel Description**

A Free-Framed DS1 signal shall have electrical signal characteristics identical to the framed 1.544 Mbps signals for DS1 Service with B8ZS, set forth in Section 7, preceding, except for the lack of an apparent Frame Format (SF, ESF or T1DM).

Free-Framed DS1 Service is offered as set forth in Section 7.11.1, preceding.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

**F. Free-Framed DS1 Service (Cont'd)**

**6. Minimum Period**

The minimum period for month-to-month Free-Framed DS1 is one month. The minimum period for 36 and 60 months fixed period service is twelve months.

**7. Free-Framed DS1 Term Limitations**

Free-Framed DS1 may be ordered at the customer's option on a month-to-month basis or for fixed periods of 3 years (36 months) or 5 years (60 months). The customer must specify the length of the fixed period service at the time the service is ordered.

**8. Discontinuance of Service**

If the customer chooses to discontinue all or a portion of the service prior to the expiration of the fixed period service, discontinuance charges as set forth in 7.1.3.A., preceding, will apply.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION (Cont'd)**

**G. Government Emergency Telecommunications Service (GETS)**

1. GETS is an emergency telecommunications service available to customers designated by an agency or branch of the Federal Government to transport National Security/Emergency Preparedness (NS/EP) originating and terminating access calls over the Public Switched Network (PSN) where technically feasible. GETS utilizes a government identified access code which distinguishes the call as a GETS NS/EP emergency call. GETS is not available in Company wire centers where Special Routing Access Service (SRAS) is provided.
2. The customer designated by the agency or branch of the Federal Government to provide GETS must have CST2, CST3, Feature Group C or Feature Group D Switched Access Service to transport the GETS NS/EP access call. A GETS NS/EP access minute will be rated the same as any other access minute set forth in this Tariff.
3. Network management service levels as set forth in 6.5.1, preceding, are applicable to a GETS NS/EP access call.
4. GETS NS/EP access minutes to a customer's network not designated to provide GETS will be administered by the Company the same as any other access minute. Billing disputes over Switched access minutes as the result of a GETS NS/EP access call to a nondesignated customer's network must be resolved with the appropriate agency or branch of the Federal Government.
5. A one hundred percent (100%) PIU factor will apply to GETS access minutes and nonrecurring charges.
6. The appropriate agency or branch of the Federal Government is responsible for ordering the government identified access code per end office in each LATA.

(D)

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION**

**G. Government Emergency Telecommunications Service (GETS) (Cont'd)**

**7. GETS Alternate Carrier Routing (ACR) Feature (T)**

ACR is an advanced network feature that provides alternate routing of a NS/EP call in the originating direction to a GETS customer using FGD or CST3 type signaling where technically feasible. The NS/EP call is first routed to the presubscribed customer of the originating line, when the presubscribed customer is a participating GETS customer. When the NS/EP call cannot be successfully routed, attempts will be made to route the call to alternate GETS customers. The sequential order in which the NS/EP call is routed is preselected on a per switching office basis by the agency or branch of the Federal Government responsible for GETS.

The ACR Development charge is for the development of advanced network service logic per request. The ACR Activation or ACR Deactivation charge is for the translation requirements of the ACR feature by switching office. The ACR monthly rate is for the analysis required to determine the preselected alternate route when a NS/EP call occurs. All ACR rates and charges, as set forth in 10.8.2, following, are billed to the appropriate agency or branch of the Federal Government responsible for GETS or its authorized representative. (C)

**8. GETS Calling Party Number (CPN) Feature (T)**

CPN is an advanced network feature that passes the government identified access code information as the calling party number on a NS/EP originating call detail record instead of the actual calling party number using FGD or CST3 type signaling where technically feasible. NS/EP calls originating at switching offices not equipped with the CPN feature will be processed with the actual calling party number. The government identified access code information is determined by the agency or branch of the Federal Government responsible for GETS.

The CPN monthly rate is for the recording of the government access code information on the NS/EP call detail record. The rates and charges for the CPN feature are set forth in 10.8.2, following. (C)

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPES AND DESCRIPTIONS**

**G. Government Emergency Telecommunications Service (GETS) (Cont'd)**

**9. High Probability of Completion Feature**

(T)

**a. Description**

GETS High Probability of Completion (HPC) provides GETS users with enhanced routing priority in the public switched network. HPC significantly improves the completion of GETS NS/EP access calls under severe network congestion and damage conditions (e.g., natural disasters, national emergencies, etc.).

The HPC feature sets the call priority value and provides the capability to queue the GETS NS/EP access call against a busy Switched Access trunk group in a route list until a member of that trunk group becomes idle. As soon as a trunk group member becomes idle, it is offered to the queued GETS NS/EP access call before any other calls are processed.

The HPC feature works with Switched Access trunk groups equipped with SS7 Out of Band Signaling or Equal Access Multifrequency Address Signaling. The HPC feature is available in specified wire centers only as negotiated between the Company and the customer designated by the agency or branch of the Federal Government to provide GETS.

**b. Rate Application**

The nonrecurring charges and monthly rates for the HPC feature are described, following. The rates and charges are set forth in 10.8.2.G., following.

(D)

- The HPC Activation Charge is a nonrecurring charge and monthly rate for the activation and maintenance of the translation requirements per Company end office switch and/or access tandem.
- The HPC Change Charge is a nonrecurring charge to change the feature on a per switch, per occurrence basis.



**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.1 TYPE AND DESCRIPTION (Cont'd)**

**H. Government Unlit Transport Medium (GUTM)**

(N)

**1. Basic Government Unlit Transport Medium (GUTM) Description**

Government Unlit Transport Medium (GUTM) is a combination of interoffice transport and unlit loops to the Department of Defense (DoD) premises located at Schriever AFB. One pair of unlimited bandwidth transport on two different routes will be provided with required cross connections and terminations. The Company will design and provision the service that traverses multiple Company wire centers located in the Colorado Springs, Colorado LATA and will include facilities obtained from El Paso County Telephone Company (El Paso). El Paso will offer such facilities to the Company under the Terms and Conditions and Rates and Charges contained in the remainder of this Section 10.8.1.H and in Section 10.8.2.H.

**2. Terms and Conditions**

- a. This GUTM 20-year term will be prepaid by the DoD. Combined recurring rates associated with this service will be prepaid at a discount of 11.25%. The discount will be applied to rates set forth below.
- b. Both the DoD's eligibility for this offering and El Paso's facility offering to the Company are explicitly conditioned upon:
  - The DoD being an agency of the federal government
  - The DoD requiring GUTM to meet a national security requirement

**3. Rate and Charges**

Rates and charges for GUTM are set forth in 10.8.2, following.

(N)

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS (Cont'd)**

**10.8.2 RATES AND CHARGES**

**A. Voice Grade Service**

The provision of T-3 and G conditioned services contemplates station and tandem switching operations, using customer provided equipment, as well as Private Line Transport Service. Separate Low Speed Data or Voice Grade Services, where required by the customer provided equipment or switching operation, are furnished in accordance with the applicable sections of this Tariff.

<b>VOICE GRADE SECURE COMMUNICATIONS</b>	<b>USOC</b>	<b>TERMI- NATION CHARGE</b>	<b>NON- RECURRING CHARGE</b>	<b>MONTHLY RATE</b>
Type I, per T-3 Conditioning	GCA++	ICB	ICB	ICB
• Additional Conditioning, per service termination	GTO++	ICB	ICB	ICB
Type II, per G-1 Conditioning	GCB++	ICB	ICB	ICB
Type III, per G-2 Conditioning	GCC++	ICB	ICB	ICB
• Additional Conditioning, per service termination	G2O++	ICB	ICB	ICB
Type IV, per T-3 Conditioning	GCD++	ICB	ICB	ICB
• Additional Conditioning, per service termination	G3O++	ICB	ICB	ICB

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

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

**B. Wideband Digital Service**

<b>WIDEBAND SECURE COMMUNICATIONS</b>	<b>USOC</b>	<b>TERMI- NATION CHARGE</b>	<b>NON- RECURRING CHARGE</b>	<b>MONTHLY RATE</b>
Type I	GW1++	ICB	ICB	ICB
Type II	GW2++	ICB	ICB	ICB
Type III	GW3++	ICB	ICB	ICB

**C. Special Routing Access Service**

The following rates and charges are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this Tariff to operate in conjunction with this service.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

**C. Special Routing Access Service (Cont'd)**

**1. AZ, CO, ID (Boise LATA), MT, NM, UT, WY**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
a. Special Routing Access Service Plan Setup and/or Removal, per End Office and/or Tandem Office Switching System	G1B	\$ 312.77	—
b. Special Routing Access Service Trunk Group Setup and/or Removal, per End Office and/or Tandem Office Switching System, per occurrence			
• Telephone Company Selection	G1D	1,173.37	—
• Customer Selection	G1S++	ICB	ICB
c. Activation or Deactivation, of Special Routing Access Service, per End Office and/or Tandem Office Switching System, per occurrence	G1E	622.40	—

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

**C. Special Routing Access Service**

**1. AZ, CO, ID (Boise LATA), MT, NM, UT, WY (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
d. Special Routing Access Service Trunk Usage, when activated, per trunk, per hour[1]	G1T	—	\$ 1.17
e. Special Routing Access Service Maintenance and Administration, per End Office and/or Tandem Office Switching System, per month	G1M	—	293.51

[1] This rate is in addition to Trunkside Premium Access Service rates, as set forth in Section 6, preceding, which apply on an ongoing basis whether the Special Routing Access Service is activated or not.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C. Special Routing Access Service (Cont'd)

2. IA, MN, NE, ND, SD

a. Iowa

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
(1) Special Routing Access Service Plan Setup and/or Removal, per End Office and/or Tandem Office Switching System	G1B	\$ 170.13	—
(2) Special Routing Access Service Trunk Group Setup and/or Removal, per End Office and/or Tandem Office Switching System, per occurrence			
• Telephone Company Selection	G1D	1,167.29	—
• Customer Selection	G1S++	ICB	—
(3) Special Routing Access Service, Mode Selection (Active or Deactive), per End Office and/or Tandem Office Switching System, per occurrence	G1E	302.45	—

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C.2.a. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
(4) Special Routing Access Service Trunk Usage, when in an active mode, per trunk, per hour[1]	G1T	—	\$ 1.63
(5) Special Routing Access Service Maintenance and Administration, per End Office and/or Tandem Office Switching System, per month	G1M	—	165.73

[1] This rate is in addition to Trunkside Premium Access Service rates, as set forth in Section 6, preceding, which apply on an ongoing basis whether the Special Routing Access Service is activated or not.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C.2. (Cont'd)

b. Minnesota

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
(1) Special Routing Access Service Plan Setup and/or Removal, per End Office and/or Tandem Office Switching System	G1B	\$ 174.86	—
(2) Special Routing Access Service Trunk Group Setup and/or removal, per End Office and/or Tandem Office Switching System, per occurrence			
• Telephone Company Selection	G1D	1,214.56	—
• Customer Selection	G1S++	ICB	—
(3) Special Routing Access Service, Mode Selection (Active or Deactive), per End Office and/or Tandem Office Switching System, per occurrence	G1E	274.10	—

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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C.2.b. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
(4) Special Routing Access Service Trunk Usage, when in an active mode, per trunk, per hour[1]	G1T	—	\$ 1.63
(5) Special Routing Access Service Maintenance and Administration, per End Office and/or Tandem Office Switching System, per month	G1M	—	148.98

[1] This rate is in addition to Trunkside Premium Access Service rates, as set forth in Section 6, preceding, which apply on an ongoing basis whether the Special Routing Access Service is activated or not.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C.2. (Cont'd)

c. Nebraska

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
(1) Special Routing Access Service Plan Setup and/or Removal, per End Office and/or Tandem Office Switching System	G1B	\$ 160.69	—
(2) Special Routing Access Service Trunk Group Setup and/or removal, per End Office and/or Tandem Office Switching System, per occurrence			
• Telephone Company Selection	G1D	1,115.32	—
• Customer Selection	G1S++	ICB	—
(3) Special Routing Access Service, Mode Selection (Active or Deactive), per End Office and/or Tandem Office Switching System, per occurrence	G1E	283.55	—

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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C.2.c. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
(4) Special Routing Access Service Trunk Usage, when in an active mode, per trunk, per hour[1]	G1T	—	\$ 1.87
(5) Special Routing Access Service Maintenance and Administration, per End Office and/or Tandem Office Switching System, per month	G1M	—	143.40

[1] This rate is in addition to Trunkside Premium Access Service rates, as set forth in Section 6, preceding, which apply on an ongoing basis whether the Special Routing Access Service is activated or not.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C.2. (Cont'd)

d. North Dakota

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
(1) Special Routing Access Service Plan Setup and/or Removal, per End Office and/or Tandem Office Switching System	G1B	\$ 193.76	—
(2) Special Routing Access Service Trunk Group Setup and/or removal, per End Office and/or Tandem Office Switching System, per occurrence			
• Telephone Company Selection	G1D	1,209.84	—
• Customer Selection	G1S++	ICB	—
(3) Special Routing Access Service, Mode Selection (Active or Deactive), per End Office and/or Tandem Office Switching System, per occurrence	G1E	278.83	—

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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C.2.d. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
(4) Special Routing Access Service Trunk Usage, when in an active mode, per trunk, per hour[1]	G1T	—	\$ 1.87
(5) Special Routing Access Service Maintenance and Administration, per End Office and/or Tandem Office Switching System, per month	G1M	—	153.64

[1] This rate is in addition to Trunkside Premium Access Service rates, as set forth in Section 6, preceding, which apply on an ongoing basis whether the Special Routing Access Service is activated or not.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C.2. (Cont'd)

e. South Dakota

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
(1) Special Routing Access Service Plan Setup and/or Removal, per End Office and/or Tandem Office Switching System	G1B	\$ 179.60	—
(2) Special Routing Access Service Trunk Group Setup and/or removal, per End Office and/or Tandem Office Switching System, per occurrence			
• Telephone Company Selection	G1D	1,214.57	—
• Customer Selection	G1S++	ICB	—
(3) Special Routing Access Service, Mode Selection (Active or Deactive), per End Office and/or Tandem Office Switching System, per occurrence	G1E	307.18	—

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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C.2.e. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
(4) Special Routing Access Service Trunk Usage, when in an active mode, per trunk, per hour[1]	G1T	—	\$ 1.16
(5) Special Routing Access Service Maintenance and Administration, per End Office and/or Tandem Office Switching System, per month	G1M	—	153.64

[1] This rate is in addition to Trunkside Premium Access Service rates, as set forth in Section 6, preceding, which apply on an ongoing basis whether the Special Routing Access Service is activated or not.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C. Special Routing Access Service (Cont'd)

3. ID (Spokane LATA), OR, WA

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
a. Special Routing Access Service Plan Setup and/or Removal, per End Office and/or Tandem Office Switching System	G1B	\$ 318.53	—
b. Special Routing Access Service Trunk Group Setup and/or removal, per End Office and/or Tandem Office Switching System, per occurrence			
• Telephone Company Selection	G1D	1,188.09	—
• Customer Selection	G1S++	ICB	—
c. Activation or Deactivation, of Special Routing Access Service, per End Office and/or Tandem Office Switching System, per occurrence	G1E	368.62	—



**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

C.3. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
d. Special Routing Access Service Trunk Usage, when activated, per trunk, per hour[1]	G1T	—	\$ 1.38
e. Special Routing Access Service Maintenance and Administration, per End Office and/or Tandem Office Switching System, per month	G1M	—	188.07

[1] This rate is in addition to Trunkside Premium Access Service rates, as set forth in Section 6, preceding, which apply on an ongoing basis whether the Special Routing Access Service is activated or not.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

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

**D. Telecommunications Service Priority (TSP) System**

The following rates and charges apply per point of termination or per line and are in addition to all other rates and charges that may be applicable for other services that may be furnished under the provisions of this Tariff which operate in conjunction with the TSP System.

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1. Priority Installation (PI) Invocation, includes system development, verification and confirmation, per point of termination or per line[1]			
• Prime Service Vendor	P1APX	\$128.00	—
• Subcontractor	P1ASX	128.00	—

[1] When an Access Service is ordered with both PI and PR, only the nonrecurring charge for PR applies.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

D. Telecommunications Service Priority (TSP) System (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
2. Priority Restoration (PR) Level Implementation, per point of termination or per line[1]			
a. PR level implementation, includes system develop- ment, verification and confirmation			
• Prime Service Vendor	PR5PX	\$128.00	—
• Subcontractor	PR5SX	128.00	—
b. PR level change, includes verification and confirmation			
• Prime Service Vendor	PR8PX	6.00	—
• Subcontractor	PR8SX	6.00	—
c. PR administration and maintenance, includes reconciliation			
• Prime Service Vendor	PR9PX	—	\$1.30
• Subcontractor	PR9SX	—	1.30

[1] When an Access Service is ordered with both PI and PR, only the nonrecurring charge for PR applies.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

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

**E. HEMP622**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
HEMP622 Network, Cheyenne Mountain to Schriver Air Force Base:			
• Per System (one circuit) with one OC3 port at each end of the System			
- Month-to-Month Term	HEMTA	\$1,000.00	\$7,835.00
- 12 Month Term	HEMTB	1,000.00	7,600.00
- 24 Month Term	HEMTC	1,000.00	7,443.00
- 36 Month Term	HEMTD	1,000.00	7,052.00
- 60 Month Term	HEMTE	1,000.00	6,268.00
• Additional ports Two OC3 ports, one at each end of the System			
- Month-to-Month Term	HEMTL	1,000.00	5,955.00
- 12 Month Term	HEMTG	1,000.00	5,776.00
- 24 Month Term	HEMTH	1,000.00	5,657.00
- 36 Month Term	HEMTJ	1,000.00	5,360.00
- 60 Month Term	HEMTK	1,000.00	4,764.00

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

**E. HEMP622 (Cont'd)**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
HEMP622 Network, Peterson Air Force Base to Schriver Air Force Base:			
• Per System (one circuit) with one OC3 port at each end of the System			
- Month-to-Month Term	HEMUA	\$1,000.00	\$7,470.00
- 12 Month Term	HEMUB	1,000.00	7,246.00
- 24 Month Term	HEMUC	1,000.00	7,097.00
- 36 Month Term	HEMUD	1,000.00	6,723.00
- 60 Month Term	HEMUE	1,000.00	5,976.00
• Additional ports Two OC3 ports, one at each end of the System			
- Month-to-Month Term	HEMUF	1,000.00	5,221.00
- 12 Month Term	HEMUG	1,000.00	5,064.00
- 24 Month Term	HEMUH	1,000.00	4,960.00
- 36 Month Term	HEMUJ	1,000.00	4,699.00
- 60 Month Term	HEMUK	1,000.00	4,177.00

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

**E. HEMP622 (Cont'd)**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
HEMP622 Network, Cheyenne Mountain to Peterson Air Force Base:			
• Per System (one circuit) with one OC3 port at each end of the System			
- Month-to-Month	HEMVA	\$1,000.00	\$7,591.00
- 12 Month Term	HEMVB	1,000.00	7,363.00
- 24 Month Term	HEMVC	1,000.00	7,212.00
- 36 Month Term	HEMVD	1,000.00	6,832.00
- 60 Month Term	HEMVE	1,000.00	6,079.00
• Additional ports Two OC3 ports, one at each end of the System			
- Month-to-Month	HEMVF	1,000.00	4,936.00
- 12 Month Term	HEMVG	1,000.00	4,788.00
- 24 Month Term	HEMVH	1,000.00	4,689.00
- 36 Month Term	HEMVJ	1,000.00	4,442.00
- 60 Month Term	HEMVK	1,000.00	3,949.00

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

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

**F. Free-Framed DS1**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1. Month-to-month			
• Channel Termination	TMECS	[1]	[1]
• Transport Channel Mileage	N/A	[1]	[1]
• D.C. Line Power	LNK	[1]	[1]
• Clear Channel Capability B8ZS	CLR	[1]	[1]
• Central Office Connecting Channel	CU5CD	[1]	[1]
2. 36 Months			
• Channel Termination	TUTEX	[1]	[1]
• Transport Channel Mileage	N/A	[1]	[1]
• Clear Channel Capability B8ZS	CLR3X	[1]	[1]
• Central Office Connecting Channel	CU5BD	[1]	[1]
3. 60 Months			
• Channel Termination	TUTFX	[1]	[1]
• Transport Channel Mileage	N/A	[1]	[1]
• Clear Channel Capability B8ZS	CLR6X	[1]	[1]
• Central Office Connecting Channel	CU5DD	[1]	[1]

[1] Use DS1 Service rates and charges as set forth in 7.11.4, preceding.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

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

**G. Government Emergency Telecommunications Service (GETS)**

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(D)</b>
• GETS Alternate Carrier Routing activation or deactivation charge, per switching office	\$285.00		
• GETS Alternate Carrier Routing, monthly, billed annually		\$2.95	
• GETS Calling Party Number activation or deactivation charge, per advanced network node	285.00		
• GETS Calling Party Number, monthly, billed annually		3.25	

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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES**

G. Government Emergency Telecommunications Service (GETS) (Cont'd)

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
• HPC Activation Charge			(D)
- Per End Office Switch	\$553.00	\$70.00	
- Per Access Tandem Switch	800.00	70.00	
• HPC Change Charge, per switch change, per occurrence	156.25 (I)	—	

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.8 SERVICE OFFERINGS**

**10.8.2 RATES AND CHARGES(CONT'D)**

H. Government Unlit Transport Medium (GUTM)

	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Unlit Transport, per mile	—	\$169.00
• Unlit Transport Terminations, per termination	—	6.77
• Transport Connections, per connection	—	3.76
• Unlit Loop, per loop	—	612.45
• Unlit Loop Terminations, per customer premises	—	5.94
• Unlit Loop Terminations, per wire centers	—	7.04
• Splicing,[1] per splice	\$1,000.00	—

[1] Splicing is the nonrecurring charge assessed on a per occurrence basis, for joining together (fused or mechanically aligned) fibers to form a continuous optical path.

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.9 RATES AND CHARGES FOR AZ, CO, ID (BOISE LATA), MT, NM, UT, WY**

**10.9.1 ARIZONA**

**CASE NO:**

**NAME:**

**EFFECTIVE:**

**DESCRIPTION:**

**RATE ELEMENT**

**USOC**

**NONRECURRING**

**MONTHLY**

(Filed under Transmittal No. 2.)

Issued: August 7, 2000

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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.9 RATES AND CHARGES FOR AZ, CO, ID (BOISE LATA), MT, NM, UT, WY  
(Cont'd)**

**10.9.2 COLORADO**

**CASE NO:** 1                      **NAME:** DECCO/U.S. AIR FORCE

**DESCRIPTION:** Provision of a High-Altitude Electro Magnetic Pulse (HEMP) Protected 45 Mbps Specialized Arrangement in the Colorado Springs, Colorado area.

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
HEMP45 Network, Cheyenne Mountain to Schriver Air Force Base:			
• Service Activation Charge, Initial System	HEMCF	\$255,018.73	—
• Per System (one circuit) or additional system(s)			
- Month-to-Month	HEMCA	3,855.26	\$4,054.00
- 12 Month Term	HEMCB	660.89	3,936.00
- 24 Month Term	HEMCC	660.89	3,817.00
- 36 Month Term	HEMCD	660.89	3,646.00
- 60 Month Term	HEMCE	660.89	3,256.00

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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.9 RATES AND CHARGES FOR AZ, CO, ID (BOISE LATA), MT, NM, UT, WY**

**10.9.2 COLORADO**

**CASE NO:** 1 (Cont'd)

**NAME:** DECCO/U.S. AIR FORCE

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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HEMP45 Network,  
Schrivier Air Force Base  
to Peterson Field:

- Per System (one circuit)  
or additional system(s)

- Month-to-Month	HEMBA	\$3,855.26	\$3,869.00
- 12 Month Term	HEMBB	660.89	3,756.00
- 24 Month Term	HEMBC	660.89	3,642.00
- 36 Month Term	HEMBD	660.89	3,481.00
- 60 Month Term	HEMBE	660.89	3,106.00

HEMP45 Network,  
Cheyenne Mountain to  
Peterson Field:

- Per System (one circuit)  
or additional system(s)

- Month-to-Month	HEMAA	3,855.26	3,533.00
- 12 Month Term	HEMAB	660.89	3,429.00
- 24 Month Term	HEMAC	660.89	3,324.00
- 36 Month Term	HEMAD	660.89	3,181.00
- 60 Month Term	HEMAE	660.89	2,834.00

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.9 RATES AND CHARGES FOR AZ, CO, ID (BOISE LATA), MT, NM, UT, WY**  
**10.9.2 COLORADO (Cont'd)**

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.9 RATES AND CHARGES FOR AZ, CO, ID (BOISE LATA), MT, NM, UT, WY  
(Cont'd)**

**10.9.3 IDAHO (BOISE LATA)**

**CASE No: NAME: EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**10.9.4 MONTANA**

**CASE No: NAME: EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**10.9.5 NEW MEXICO**

**CASE No: NAME: EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.9 RATES AND CHARGES FOR AZ, CO, ID (BOISE LATA), MT, NM, UT, WY  
(Cont'd)**

**10.9.6 UTAH**

**CASE NO:**                      **NAME:**                      **EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**10.9.7 WYOMING**

**CASE NO:**                      **NAME:**                      **EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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## 10.10 RATES AND CHARGES FOR IA, MN, NE, ND, SD

**CASE No:** \_\_\_\_\_ **NAME:** \_\_\_\_\_ **EFFECTIVE:** \_\_\_\_\_

RATE ELEMENT	USOC	NONRECURRING	MONTHLY
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**CASE No:** \_\_\_\_\_ **NAME:** \_\_\_\_\_ **EFFECTIVE:** \_\_\_\_\_

RATE ELEMENT	USOC	NONRECURRING	MONTHLY
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**CASE No:** \_\_\_\_\_ **NAME:** \_\_\_\_\_ **EFFECTIVE:** \_\_\_\_\_

RATE ELEMENT	USOC	NONRECURRING	MONTHLY
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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.10 RATES AND CHARGES FOR IA, MN, NE, ND, SD (Cont'd)**

**10.10.4 NORTH DAKOTA**

**CASE NO:**                      **NAME:**                      **EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**10.10.5 SOUTH DAKOTA**

**CASE NO:**                      **NAME:**                      **EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.11 RATES AND CHARGES FOR ID (SPOKANE LATA), OR, WA**

**10.11.1 IDAHO (SPOKANE LATA)**

**CASE NO:**                      **NAME:**                      **EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**10.11.2 OREGON**

**CASE NO:**                      **NAME:**                      **EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**10.11.3 WASHINGTON**

**CASE NO:**                      **NAME:**                      **EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.12 FTS 2001**

**A. General**

FTS 2001 consists of Digital Data Service (DDS), DS1 and DS3 Services with discounts that are provided exclusively for the Federal Government or their agent(s) as specified in 10.1. This portion of Section 10, referred to as 10.12, will be in effect until July 29, 2008.

**B. Regulations**

1. The regulations in all other sections of this Tariff apply unless specified otherwise within 10.12.
2. FTS 2001 discounts apply to the current month-to-month rates for DDS, DS1 and DS3 Services offered in 7.10, 7.11, 7.12, 17.2.10, 17.2.11, and 17.2.12. If a rate decrease occurs during an existing FTS 2001 term or Extended Service Option, the reduced rates will automatically be applied to the remaining period of the current term. FTS 2001 month-to-month rates will change with any appropriate month-to-month rate changes in Sections 7 and 17. (C)  
(C)
3. Shared Use between FTS 2001 and Switched Access is not permitted.
4. Optional features specified in 7.10, 7.11, 7.12, 17.2.10, 17.2.11, and 17.2.12 that are not listed in F., following, are available at the rates and pricing plans specified in Sections 7 and 17. (C)  
(C)
5. The Nonappropriations Clause, as set forth in 10.8.1.E., preceding, also applies to FTS 2001.
6. When changing from Section 7 and/or 17 service to FTS 2001, the Minimum Service Period, and Termination Liability and Waiver Policy apply to the Section 7 and/or Section 17 service as set forth in 7.1.8. (C)  
(C)

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.12 FTS 2001 (Cont'd)**

**C. Exceptions To Other Tariff Sections**

1. Portability is not available with FTS 2001.
2. The Termination Liability and Waiver Policy applies to FTS 2001 as set forth in 7.1.8, except as specified in E., following.
3. Pricing Plans in other sections of this Tariff are only available on rate elements not included in FTS 2001.

**D. Rate Applications**

1. FTS 2001 terms and the Extended Service Option guarantee a rate frozen from Company initiated rate increases for the length of the term.
2. Any customer fulfilling a total of four years of term plans and/or month-to-month service for the same FTS 2001 Service continuously at the same address(es), is eligible for the Extended Service Option discount. Unless the customer discontinues or changes FTS 2001 Service, the Extended Service Option discount is automatically applied. The discount is applied to the month-to-month rate in effect at the beginning of the Extended Service Option and applies until the service is disconnected or changed, or this Tariff expires.
3. If an FTS 2001 term plan is not renegotiated by the expiration date of the FTS 2001 term plan, the rates will convert to the FTS 2001 month-to-month rates, or will apply as set forth in 2., preceding.
4. If a discounted rate results in a fractional charge the discounted rate is rounded up to the nearest cent.
5. DS3 is available on a month-to-month basis only after the expiration of one or more of the FTS 2001 term plans.

(C)

(C)

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.12 FTS 2001**

**D. Rate Applications (Cont'd)**

**6. Minimum periods apply as follows:**

- Month-to-month service - 1 month
- 1- through 4-year terms - 12 months

Once the month-to-month minimum period for month-to-month customers and/or term plan minimum period for customers with term plans is completed, the minimum period requirement is satisfied. If a month-to-month customer changes to a term plan, both minimum periods must be satisfied. If a term plan customer changes to month-to-month service, only the term plan minimum period applies.

7. If the customer subscribes to a pricing plan from Section 7 or 17, the services in the pricing plan may not be provided as FTS 2001. (C)
8. The application of the following rates and rate elements is the same as the application of those rate elements in Section 7 or 17, except as specified herein. (C)
9. FTS 2001 expires on July 29, 2008, therefore term plans must expire on or before that date. The following schedule identifies the last installation date available for each term.

<b>TERM LENGTH</b>	<b>LAST INSTALLATION DATE</b>
• Month-to-Month	June 29, 2008
• 12 Months	July 29, 2007
• 24 Months	July 29, 2006
• 36 Months	July 29, 2005
• 48 Months	July 29, 2004

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.12 FTS 2001 (Cont'd)**

**E. Discounts**

The following discounts and termination liability percentages apply per service.  
The discount is applied to the Section 7 and/or Section 17 month-to-month rate.  
The rate elements to which the discounts apply are listed in F., following.

(C)

	<b>DISCOUNT % OF MONTHLY RATE</b>	<b>TERMINATION LIABILITY</b>
<b>1. DDS</b>		
• Month-to-Month	5%	None
• 1-Year Term	8%	40%
• 2-Year Term	10%	40%
• 3-Year Term	15%	40%
• 4-Year Term	20%	40%
• Extended Service Option	30%	None
<b>2. DS1</b>		
• Month-to-Month	5%	None
• 1-Year Term	8%	40%
• 2-Year Term	10%	40%
• 3-Year Term	15%	40%
• 4-Year Term	20%	40%
• Extended Service Option	30%	None

**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.12 FTS 2001**

E. Terms and Discounts (Cont'd)

	<b>DISCOUNT % OF MONTHLY RATE</b>	<b>TERMINATION LIABILITY</b>
3. DS3		
• Month-to-Month	5%	None
• 1-Year Term	8%	70%
• 2-Year Term	10%	70%
• 3-Year Term	15%	70%
• 4-Year Term	20%	70%
• Extended Service Option	30%	None



**10. FEDERAL GOVERNMENT SPECIALIZED SERVICE  
OR ARRANGEMENTS**

**10.12 FTS 2001 (Cont'd)**

**F. FTS 2001 Rate Elements**

**1. DDS**

- Channel Terminations
- Transport Channels
- Central Office Connecting Channels
- Central Office Multiplexing
- Bridging

**2. DS1**

- Channel Terminations
- Transport Channels
- Central Office 1.544 Mbps Connecting Channels
- Central Office Multiplexing
- Self-Healing Alternate Route Protection (SHARP)
- SHARP Plus
  - Protected Channel Termination
  - Central Office Termination

**3. DS3**

- Channel Terminations
- Transport Channels
- Central Office Connecting Channels
- Central Office Multiplexing
- Self-Healing Alternate Route Protection (SHARP)
- SHARP Plus
  - Protected Channel Termination
  - Central Office Termination

**11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

<b>Alphabetical By SUBJECT</b>	<b>PAGE</b>
Description of Special Facilities Routing of Access Services .....	11-1
Diversity Service Transition Plan .....	11-7
Miscellaneous Ordering Information .....	11-4
Rate Categories .....	11-5
Rate Regulations .....	11-6
Rates and Charges .....	11-8

## **11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

### **11.1 DESCRIPTION OF SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

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

#### **A. Diversity**

Diversity occurs when the service is provisioned over a primary route and a secondary route over separate transmission facilities. A physical separation of at least 25 feet is maintained between the primary and alternate transmission facility routes. Diversity may be used to provide a separate standby circuit which is readily available should service on the primary circuit become interrupted. Diversity for PLTS Access Service (Voice Grade, Digital Data, DS1 and DS3 Services, and SST), ATM Service, LSS Service and MOE has a minimum service period of 12 months. (C)

Technical Specifications for Diversity are delineated in Qwest Corporation Technical Publication PUB 77344.

Diversity for Switched Access, Directory Assistance and Federal Government Specialized Service or Arrangements is provided and billed on an Individual Case Basis (ICB) as described in 11.2.1.B., following, and is filed in 11.2.1.D., following.

**11. SPECIAL FACILITIES ROUTING**  
**OF ACCESS SERVICES**

**11.1 DESCRIPTION OF SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

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

**1. Local Loop Diversity**

Local Loop Diversity provides an alternately routed local loop between the customer's serving wire center and premises. This loop will be provided over a different cable route than the primary loop. When utilized as a standby circuit, in the event of a facility problem that affects the primary local loop, the circuit may be switched to the alternate local loop by either the Company or the customer.

When specified, this feature provides a separate facility path for the alternately routed local loop between the Serving Wire Center and the Company Point of Termination located in the same building as the customer-designated premises, when the customer or building owner provides the structure for diverse entrance facilities into the building. In those instances when the customer or building owner requests Local Loop Diversity but does not provide the structure for diverse entrance facilities into the building, this feature provides a separate facility path for the protection system between the first utility vault outside the Serving Wire Center (generally all facilities leaving a Wire Center go to the first utility vault within the same conduit, cable, sheath, etc.) and the last terminal or utility vault prior to the customer's premises.

**2. Transport Channel Diversity**

Transport Channel Diversity is the provision of an alternate interoffice transmission facility between serving wire centers, between a serving wire center and a Company hub or between two Company hubs. This transport channel will be provided over a separate interoffice transmission facility from the primary service. When utilized as a standby circuit, in the event of a facility problem that affects the transport channel portion of a service, the service will be switched by the Company to the alternate interoffice transmission facility until the primary service is restored. This feature provides a separate facility path for the protection system between the first utility vault outside both Serving Wire Centers (generally all facilities leaving a Wire Center go to the first utility vault within the same conduit, cable, sheath, etc.).

**3. Combinations of Local Loop and Transport Channel Diversity**

Local Loop and Transport Channel Diversity may be combined to provide total facility diversity. When provided as a standby circuit, in the event of a facility problem that affects either the primary local loop or transport channel or both, service may be switched to the alternate facility by either the Company or the customer.

**11. SPECIAL FACILITIES ROUTING**

**OF ACCESS SERVICES**

**11.1 DESCRIPTION OF SPECIAL FACILITIES ROUTING OF ACCESS SERVICES (Cont'd)**

**B. Avoidance**

Avoidance is the provisioning of an Access Service to avoid a customer's normal serving wire center or a customer-specified serving wire center for Transport Channel mileage or a customer-specified geographical feature (e.g. a specific bridge over a river or highway, a creek or river).

Technical Specifications for Avoidance are delineated in Qwest Corporation Technical Publication PUB 77344.

**1. Serving Wire Center Avoidance**

Serving Wire Center Avoidance provides for the provisioning of an Access Service to avoid a customer-specified serving wire center.

When specified to avoid a customer's normal serving wire center, this feature provides a facility path for the service between the customer-designated premises and the customer-specified wire center to avoid the customer's normal serving wire center. Mileage will be calculated based on the mileage from the VG, DDS, DS1 Service, DS3 Service or SST.

When specified to avoid a customer-specified serving wire center, this feature provides a facility path for the service between wire centers to avoid the customer-specified wire center. Mileage will be calculated based on the mileage from the VG, DDS, DS1 Service, DS3 Service or SST.

**2. Geographic Avoidance**

Geographic Avoidance is the provisioning of service to avoid a customer-specified geographical feature (e.g., a particular bridge over a highway, a particular creek or river, a particular route that has been involved in previous disasters such as mud slides, floods etc.). Mileage will be calculated based on the mileage from the VG, DDS, DS1 Service, DS3 Service or SST.

**3. Combinations of Serving Wire Center Avoidance and Geographic Avoidance**

Serving Wire Center Avoidance and Geographic Avoidance may be combined to provide both Serving Wire Center Avoidance and Geographic Avoidance on the same service. Mileage will be calculated based on the mileage from the VG, DDS, DS1 Service, DS3 Service or SST.

## **11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

### **11.1 DESCRIPTION OF SPECIAL FACILITIES ROUTING OF ACCESS SERVICES (Cont'd)**

#### **11.1.1 SPECIAL FACILITIES ROUTING OF ACCESS SERVICES - MISCELLANEOUS ORDERING INFORMATION**

Diversity and Avoidance are available on Switched Access Service as set forth in Section 6, preceding; Private Line Transport Services Voice Grade, Digital Data, DS1 and DS3 Services as set forth in Section 7, preceding, ATM Service, LSS Service and MOE as set forth in Section 8 (Diversity only), and Federal Government Specialized Service or Arrangements as set forth in 10.8, preceding. (C)

Private Line Diversity rates will include Section 7 rates applicable to the primary service route (i.e., Section 7 rates charged for the primary route will also be charged for the secondary route), or Section 8 ATM Access Links Optioned with Protection, and Section 11 Diversity Maintenance charges and, if applicable, Tariff F.C.C. No. 2, Special Construction charges.

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

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

The applicable rates and charges for the Special Construction portion shall be filed in the Special Construction tariff. In the case of 11.1.A.2., preceding, the rates and charges for administration and any other specific items of cost directly attributable to the Special Construction shall be filed in Tariff F.C.C. No. 2 also.

The rates and charges for Special Facilities Routing of Access Services as set forth in 11.2, 11.3, 11.4 and 11.5, following, are in addition to all other rates and charges that may be applicable for services provided under other sections of this Tariff.

**11. SPECIAL FACILITIES ROUTING**  
**OF ACCESS SERVICES**

**11.1 DESCRIPTION OF SPECIAL FACILITIES ROUTING OF ACCESS SERVICES (Cont'd)**

**11.1.2 RATE CATEGORIES**

There are three basic rate categories which apply to Diversity and Avoidance :

- Local Loop Diversity Maintenance, described in A., following.
- Transport Channel Diversity Maintenance, described in B., following.
- Avoidance, described in C., following.

**A. Local Loop Diversity Maintenance**

The Local Loop Diversity Maintenance rate category is designed to recover the labor associated with the tracking and maintenance of diverse routing of local loop facilities. The recurring and nonrecurring charges are applicable to each local loop service, e.g., Channel Termination, installed with diverse routing. For example, a customer requests diverse routing of both Channel Terminations of one end-to-end DS1 Service. The customer will be assessed two Local Loop Diversity Maintenance charges.

**B. Transport Channel Diversity Maintenance**

The Transport Channel Diversity Maintenance rate category is designed to recover the labor associated with the tracking and maintenance of diverse routing of facilities. The recurring and nonrecurring charges are applicable to each Transport Channel installed with diverse routing. Using the example in A., above, the customer will also be assessed one Transport Channel Diversity Maintenance charge.

**C. Avoidance**

The Avoidance rate category is designed to recover the labor associated with the tracking and maintenance of avoidance routing of facilities. The recurring and nonrecurring charges are applicable to each Channel Termination and/or Transport Channel installed with avoidance routing. For example, a customer who requests to avoid their normal serving wire center will be assessed one Avoidance charge.

**11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

**11.1 DESCRIPTION OF SPECIAL FACILITIES ROUTING OF ACCESS SERVICES (Cont'd)**

**11.1.3 RATE REGULATIONS**

**A. Discontinuance Charges**

Should the customer choose to discontinue service within the first 12 months of the minimum service period, discontinuance charges will apply. The discontinuance charge will be equal to one-hundred percent of the total monthly charges for the remainder of the first 12 months of the minimum service period plus fifty percent of the total monthly charges for the remaining portion of the minimum service period.

Should the customer choose to discontinue service after the first 12 months of the minimum service period, discontinuance charges will apply. The discontinuance charge will be equal to fifty percent of the total monthly charges for the remaining portion of the minimum service period.



## **11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

### **11.1 DESCRIPTION OF SPECIAL FACILITIES ROUTING OF ACCESS SERVICES (Cont'd)**

#### **11.1.4 DIVERSITY SERVICE TRANSITION PLAN**

- A. Existing Diversity and Avoidance Arrangements currently filed on an Individual Case Basis (ICB) in 11.3, 11.4 and 11.5, following, with minimum fixed service periods, will be converted to Diversity Service by November 5, 1991. Customers may choose to convert their ICB Arrangement(s) on or before November 5, 1991 without incurring the Diversity Maintenance nonrecurring charge(s) or discontinuance charges associated with the ICB Arrangement.
- B. Existing Diversity and Avoidance Arrangements currently filed on an Individual Case Basis (ICB) in 11.3, 11.4 and 11.5, following, with month-to-month service periods will be converted to Diversity Service by March 5, 1991. Customers may choose to convert their ICB Arrangement on or before March 5, 1991 without incurring the Diversity Maintenance nonrecurring charge(s).
- C. On November 5, 1991, all remaining ICB Diversity cases which have a case expiration date of November 5, 1991 will be terminated and discontinuance charges will not apply. Alternatively, if a customer with an ICB Diversity Case, which has a case expiration date of November 5, 1991, should choose to discontinue service prior to that date, discontinuance charges will apply. The discontinuance charges will be equal to one-hundred percent of the total monthly charges for the remainder of the minimum service period.
- D. Nonrecurring charges assigned to the Section 11 ICB Arrangements are nonrecoverable costs which have been recovered in concert with the provisions of Tariff F.C.C. No. 2, Section 2.6.4 and are not subject to prepayment considerations.

**11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

**11.2 RATES AND CHARGES FOR SPECIAL FACILITIES ROUTING OF ACCESS SERVICE**

The rates and charges for Special Facilities Routing of Access Services are as follows:

**11.2.1 ALL STATES**

- A. Diversity - Private Line Transport Services - VG, DDS, DS1, DS3, SST  
- ATM Service, LSS Service and MOE

(C)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1. Local Loop Diversity Maintenance, per Channel Termination[1], or ATM Access Link Optioned with Protection			
- Primary Route	DM3XX	\$50.00	\$12.00
- Secondary Route	DM3XX	50.00	12.00
2. Transport Channel Diversity Maintenance, per Transport Channel			
- Primary Route	DY3XX	50.00	12.00
- Secondary Route	DY3XX	50.00	12.00

B. Diversity

For each Switched Access, Directory Assistance or Federal Government Specialized Service or Arrangement provided in accordance with 11.1.A., preceding, the rates and charges will be developed on an individual case basis and filed following:

**USOC**

**SYD++**

[1] On DS3 Service, one Local Loop Diversity Maintenance charge will apply per DS3.

**11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

**11.2 RATES AND CHARGES FOR SPECIAL FACILITIES ROUTING OF ACCESS SERVICE**

The rates and charges for Special Facilities Routing of Access Services are as follows:

**11.2.1 ALL STATES (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
C. Avoidance				
- per service, per occurrence[1]	AOV	\$50.00	\$ 12.00	(T)
D. Service Guarantee -Diversity Credit[2]				
- Voice Grade Service, per occurrence		SG3FV	(100.00)	
- Digital Data Service, per occurrence		SG3FG	(200.00)	
- DS1 Service, per occurrence		SG3F1	(500.00)	
- DS3 Service, per occurrence		SG3FC	(2500.00)	
- SST Service, per occurrence		SG3FS	(2500.00)	
E. All States				

[1] On DS3 Service, one Avoidance charge will apply Per DS3.

[2] See 2.4.4.B. for terms and conditions.

**11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

**11.3 RATES AND CHARGES FOR AZ, CO, ID (BOISE LATA), MT, NM, UT, WY**

**11.3.1 ARIZONA**

**11.3.2 COLORADO**

**CASE NO:** 89-6[1]                      **NAME:** FAA                      **EFFECTIVE:** 12-8-89

**DESCRIPTION:** Diverse Routing of 28 Voice Grade Channels provided with facility protection for the FAA location at 2211 17th Street, Longmont, Colorado and the Denver Main Central Office. The service period is 120 months.

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
Diversity, per VG Service	SYDBJ	\$180.82	\$44.96

[1] This case will terminate no later than one year from the effective date of Transmittal No. 116 which was advanced by Transmittal No. 123, 10/21/91.

**11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

**11.3 RATES AND CHARGES FOR AZ, CO, ID (BOISE LATA), MT, NM, UT, WY  
(Cont'd)**

**11.3.3 IDAHO (BOISE LATA)**

**CASE NO:**                      **NAME:**                                      **EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**11.3.4 MONTANA**

**CASE NO:**                      **NAME:**                                      **EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**11.3.5 NEW MEXICO**

**11.3.6 UTAH**

**11.3.7 WYOMING**

**11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

**11.4 RATES AND CHARGES FOR IA, MN, NE, ND, SD**

**11.4.1 IOWA**

**CASE NO:** 89-1[1]

**NAME:** Telecom USA

**EFFECTIVE:** 1-1-90

**DESCRIPTION:** Protect Path Diversity routing of DS3 Services using a 560/565 Mbps System with an optical interface from the Telecom USA Point of Presence at 500 2nd Avenue S.E., to the Company's Cedar Rapids, Iowa, Downtown Central Office at 619 3rd Avenue S.E., Cedar Rapids, Iowa. The service period is 60 months.

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
Protect Path Diversity, per service	SYDDZ	\$2,512.00	\$297.38

[1] This case will terminate no later than one year from the effective date of Transmittal No. 116 which was advanced by Transmittal No. 123, 10/21/91.

### 11.4.5 SOUTH DAKOTA

**11. SPECIAL FACILITIES ROUTING OF ACCESS SERVICES**

**11.5 RATES AND CHARGES FOR ID (SPOKANE LATA), OR, WA**

**11.5.1 IDAHO (SPOKANE LATA)**

**CASE NO:**                      **NAME:**                                      **EFFECTIVE:**

**DESCRIPTION:**

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
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**11.5.2 OREGON**

**11.5.3 WASHINGTON**



**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

<b>ALPHABETICAL BY SUBJECT</b>	<b>PAGE</b>
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## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.1 GENERAL**

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

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

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.2 RATE REGULATIONS**

#### **A. Moves**

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

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

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

#### **1. Moves Within the Same Building**

When the move is to a new location within the same building, the charge for the move will be based on estimated costs attributable to the move.

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

#### **2. Moves to a Different Building**

Moves to a different building will be treated as a discontinuance of the existing service and the start of service. All applicable nonrecurring and early termination charges will apply.

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.2 RATE REGULATIONS (Cont'd)**

#### **B. Service Rearrangements**

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in 5.2.5.E., preceding, or a change in the physical location of the Point of Termination at a customer designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the Point of Termination are treated as moves and are described and charged for as set forth in 12.2.A., preceding.

The charge to the customer for the service rearrangements is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.2 RATE REGULATIONS**

#### **B. Service Rearrangements (Cont'd)**

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

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name - e.g., XYZ Company to XYZ Communications),
- Change of customer name as the result of a transfer of use of services as set forth in 2.1.2, preceding,
- Change of customer to customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

All other service rearrangements will be charged for as follows:

- If the change involves the changing of the type of Channel Termination (e.g., change of a DS3 Channel Termination from electrical to optical), it will be treated as a discontinuance of the existing service and the installation of a new service.
- For all other changes, a charge equal to the estimated costs or removal, restoration of services or facilities necessitated by the rearrangement, transportation, storage, reinstallation, engineering, labor supervision, materials, administration and any other specific items of cost directly attributable to the rearrangement.

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

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

**C. Discontinuance Charges**

Should the customer choose to discontinue service within the first 12 months of the minimum service period, discontinuance charges will apply. The discontinuance charges will be equal to one-hundred percent of the total monthly charges for the remainder of the first 12 months of the minimum service period plus fifty percent of the total monthly charges for the remaining portion of the minimum service period.

Should the customer choose to discontinue service after the first 12 months of the minimum service period, discontinuance charges will apply. The discontinuance charges will be equal to fifty percent of the total monthly charges for the remaining portion of the minimum service period.

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

Rates and charges and additional regulations, if applicable, for specialized service or arrangements provided on an individual case basis are filed following:

**CASE NO:** 96-1  
**CUSTOMER:** United States Satellite Broadcasting, Inc.  
**EFFECTIVE:** 5-21-96

**DESCRIPTION:** Fiber Optic Radio Frequency (RF) Service provides one-way transmission of an optical video signal. Fiber Optic RF Service will provision communications paths at 50 MHz to 90 MHz using five single-mode fibers for point-to-point circuits between 6287 N. 32 St. to 3415 University Ave., St. Paul, MN. The rate regulations are set forth in Section 7, preceding.

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
• Channel Termination, 10 terminations	1ZZBU	\$6,482.07	\$2,065.37
• Transport Channel	1ZZBV	—	930.00

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES (Cont'd)**

**CASE NO:** 2000-1  
**CUSTOMER:** Wells Fargo  
**EFFECTIVE:** 3-14-2000

**DESCRIPTION:** This Case will provide network to network information transfer (NNIT) connectivity or user to network information transfer (UNIT) connectivity and a 6 Mbps Permanent Virtual Connection (PVC). This service will be used in conjunction with 44.736 Mbps Frame Relay Service (FRS). The maximum Committed Information Rate (CIR) for a single 6 Mbps PVC is 6 Mbps, with no burst allowed beyond 6 Mbps. This Case provides Wells Fargo with the capability to take their 44.736 Mbps Frame Relay traffic between several customer node sites and the Company Frame Relay network.

The customer may also order incremental 6 Mbps PVC's for 44.736 Mbps UNIT or 44.736 Mbps NNIT ports already in service. The maximum number of 6 Mbps PVC's allowed is two per 44.736 Mbps port. Additional PVC's may also be provisioned to those 44.736 Mbps ports as set forth in Section 8, preceding. In addition to the 44.736 Mbps UNIT or 44.736 Mbps NNIT connectivity, the customer will order the required DS3 Service as set forth in Section 7.12, preceding and the required FRS Central Office Connecting Channel (COCC) as set forth in Section 8, preceding.

The term for this Case is 2 years and 6 months. Discontinuance of service prior to March 13, 2001, will result in the assessment of Termination Liability as set forth in 8.1.5, preceding.

(C)

If this service becomes a general tariff offering within the term of this Case then this arrangement will be converted to the general offering at the applicable rates. If the customer chooses not to convert to the general tariff offering then the service will be terminated without assessing the Termination Liability and Waiver Policy.



**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2000-1 (Cont'd)

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
• 44.736 Mbps UNIT or NNIT Port with, One - 6 Mbps PVC[1]	1ZZ4A	\$250.00	\$3,800.00
• Each Additional, 6 Mbps PVC[2]	1ZZ4B	50.00	190.00

[1] Additional PVC's will be assessed for both UNIT and NNIT at the 44.736 Mbps – UNIT per port rate for 2 PVCs through 50 as set forth in 8.4.2.B, preceding.

[2] A Subsequent PVC(s) order charge may apply as set forth in 8.3.5, preceding. (T)

(Filed under Transmittal No. 28.)

Issued: November 21, 2000

Effective: December 6, 2000

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES (Cont'd)**

**CASE NO:** 2000-2  
**CUSTOMER:** Microsoft  
**EFFECTIVE:** 5-18-2000

**DESCRIPTION:** This Case provides dedicated ring facilities in Washington State between designated Node locations using Dense Wave Division Multiplexing (DWDM) equipment and OC3c, OC12c and OC48c interfaces. The Node(s) will be designated by the customer and incorporated into the design of the service. In addition the Enterprise Network Operations Center (ENOC) will provide continuous network monitoring. This Case includes a Service Level as described below.

Subsequent to the initial installation of this service the customer may also order incremental Nodes; OC3c, OC12c and OC48c port interfaces; Shelves; Interoffice Transport and Optical Amplifiers at the rates set forth following. The maximum number of shelves per Node is 8 which includes the shelf equipped with the Node. Such rate elements may be added to the original installation, but must have a term limitation equal to the remaining months of this Case. However, new rate elements cannot be added during the last 12 months of the 3 year term of this service unless a new plan is negotiated.

The term of this Case is 3 years with a minimum service period of 12 months. Termination Liability is applicable should the customer discontinue the entire service or a portion of the service prior to the end of the 3 year term of this Case. Should the customer choose to discontinue prior to completion of the minimum service period, termination charges equal to 100% of the total monthly charges for the remaining months of the minimum service period, plus 70% of the total current monthly charges for the remaining portion of the term will apply. Should the customer choose to discontinue after the completion of the minimum period, termination charges equal to 70% of the total current monthly charges for the remaining portion of the term will apply.

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES**

**CASE NO:** 2000-2 (Cont'd)

Termination charges will be waived if the customer satisfies all of the conditions specified as follows:

- Migration to a new Company service that must have a total value equal to or greater than 115% of the remaining value of this Case, excluding any special construction charges.
- The orders to discontinue this service and to establish new service must be received by the Company within 30 calendar days of each other. And the new service must be installed within 30 calendar days of the disconnection of this service, unless order completion is delayed due to Company reasons.
- The customer must pay any previously billed but unpaid recurring and/or nonrecurring charges associated with this case.

Credit allowance if this Case is out of service will apply when the customer experiences a service interruption and the system fails to switch to the protected electronics and/or facilities. Such credit will be based on information provided by !NOC. No qualified customer interface will receive double credit during any billing cycle. In the event a particular customer interface qualifies for more than one service credit in any given billing cycle, the higher service credit will be given. Out of service credit will be based on the Mean Time to Repair schedule below.

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES**

**CASE NO:** 2000-2 (Cont'd)

Service Level for this Case are as follows:

- Provisioning/Installation - The Company guarantees 100% on-time provisioning of additional interfaces on existing, spare capacity within Company installed equipment at the customer premises. Additional interfaces involving a new node(s) are excluded under this guarantee. If the agreed-on due date is missed, the Company will credit the customer 50% of the nonrecurring rate on all affected customer interfaces.
- Mean Time to Repair (MTTR) – This is the time it takes the Company to restore service. It starts either when the Company detects the problem or when the customer reports the problem to the Company. Company fiber facilities will be restored in 8 hours excluding electronic repair and maintenance. If the MTTR exceeds 8 hours then the service credits are as follows: over 8 hours = 25% credit and over 12 hours = 50% credit. The service credits are based on the monthly rate of the affected customer interfaces.
- Customer Notification – The Company must notify the customer of a service outage or service degradation within 20 minutes. The notification will be based on the Simple Network Management Protocol (SNMP) alarms received by !NOC. When failure to notify the customer within 20 minutes which results in downtime, the customer will receive one day credit of the monthly rate for all impacted customer interfaces.

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES**

**CASE NO:** 2000-2  
Service Level for this Case are as follows: (Cont'd)

- Availability – This is the amount of time service is available to support customer traffic. The Company will coordinate maintenance time and planned outages with the customer, these events will be scheduled outside the availability time. The network is considered unavailable when the service is not ready to support customer traffic or anytime an out of service occurs. The Company guarantees availability at 99.9%. If the 99.9% is not met, the service credits will apply, per affected customer interface, based on the monthly rate, as follows: if availability is less than 99.9% but greater than 95% the credit is 25%, if availability is less than 95% but greater than 90% the credit is 50% and if availability is less than 90% the credit is 100%.

Obligations of the Customer:

- The customer shall provide immediate access to Company equipment by authorized Company personnel 24 hours a day, 7 days a week for restoration of service, response to equipment failure, or maintenance of service.
- All operations at the customers premises will be performed at the expense of the customer and must conform to rules and regulations adopted by the Company to maintain a proper standard of service. Included in the aforementioned expenses would be structural work required for supporting telecommunications facilities.
- The customer is required to provide adequate building space, lighting and atmospheric control (humidity, temperature and ventilation) for proper installation, operation and maintenance of Company equipment and facilities on the customer premises.

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES (Cont'd)**

**CASE NO:** 2000-2 (Cont'd)

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING</b>	<b>MONTHLY</b>
• Node, equipped with one shelf [1]	1ZZGA	-	\$5,700.00
• Shelf, Each Additional	1ZZGB	-	5,700.00
• OC3c Port, per port	1ZZGC	\$1,000.00	350.00
• OC12c Port, per port	1ZZGE	1,000.00	350.00
• OC48c Port, per port	1ZZGF	1,000.00	500.00
• Optical Amplification, per node	1ZZGG	-	200.00
• Interoffice Transport, per mile	1ZZGH	-	135.00

[1] The maximum total number of shelves per Node is 8.

(Filed under Transmittal No. 2.)

Issued: August 7, 2000

Effective: August 8, 2000

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES (CONT'D)**

**CASE NO:** 2000-3  
**CUSTOMER:** MCI WorldCom Network Services, Inc., fka UUNET (C)  
**EFFECTIVE:** November 19, 2003 (C)

**DESCRIPTION:** Remote Access Service provides a digital data based transport that supports MCI WorldCom Network Services, Inc.. This is a customer selected platform, with medium to high speed transport capabilities for end user remote dial access to MCI's Internet network. Remote Access Service (RAS) terminates in network access servers in the Company's central offices, which provide modem functionality. The connections between the central office and MCI's network are not part of Remote Access Service. MCI will acquire these services separately from either the Company or other providers. (C)  
(C)  
(C)  
(C)

MCI agrees to maintain a minimum of 125,000 active ports each month beginning on the effective date of November 19, 2003. MCI agrees to pay a monthly rate for each active Remote Access Port, as outlined in the rate structure following. This structure is based on an aggregation of ports ordered by MCI through the Qwest Corporation 14 State Territory covered by this Tariff. In the event MCI does not have 125,000 active Remote Access Ports during a given month after November 19, 2003, and order completion has not been delayed due to Company reasons, MCI agrees to pay the Company the applicable monthly rates for 125,000 ports in each such month regardless of the actual number of active ports. This minimum purchase commitment shall expire as of March 31, 2005. (C)  
(C)  
(C)  
(C)  
(C)  
(C)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2000-3 (Cont'd)

This case expires on March 31, 2005. In the event the customer chooses to disconnect the entire service, without cause, prior to the expiration of this case, termination charges apply. The termination charges will be 100% of the total recurring charges for each of the remaining months of the term based on a minimum commitment of 125,000 ports.	(T-x-y) (S-y) (T-x-y) (S-y)   (S-y) (D-x-y)
If this service becomes a general tariff offering within the term of this Case then this arrangement will be converted to that general offering at the applicable rates. If the customer chooses not to convert to the general tariff offering then the service will be terminated without assessing the Termination Liability.	(S-y) (T-x-y) (S-y)   (S-y)

- (y) Issued under the authority of Special Permission No. 04-008.
- (x) Reissued matter filed under Transmittal No. 183, to become effective February 7, 2004.

(Filed under Transmittal No. 185.)

Issued: February 5, 2004

Effective: February 7, 2004



**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2000-3 (Cont'd)

**RATE STRUCTURE**

All rates apply per active RAS Port based upon the total of the active and ready for service (RFS) RAS Ports.

**TOTAL  
ACTIVE AND  
RFS PORTS**

125,000 or more

**MONTHLY RATE  
PER ACTIVE RAS PORTS**

\$19.00 (R)

(C)

(C)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES (Cont'd)**

**CASE NO:** 2000-4  
**CUSTOMER:** State of Colorado  
**EFFECTIVE:** 11-21-2000

**DESCRIPTION:** Colorado Facility Reservation provides the customer, the State of Colorado, with up to 44 ATM Service Points (ANAPs) designated by the customer which are either working or reserved for activation throughout the entire state. The ANAPs include bandwidth of at least 20 Mbps. (C)

The State of Colorado agrees to pay for the up to 44 designated ANAPs per month until this agreement expires. The ANAPs rate element guarantees that the customer will have at least 20 Mbps of interoffice bandwidth available for use and does not replace any existing rate element. (C)

The initial term of this case is 60 months which will complete on November 21, 2005. The customer has elected to extend this plan through June 30, 2010. The Nonappropriations Clause, as set forth in 10.8.1.E., preceding, also applies to this offering. (C)  
(C)

If this service becomes a general tariff offering within the term of this Case, this arrangement will be converted to that general offering at the applicable rates. If the customer chooses not to convert to the general tariff offering, the service will be terminated without assessing Termination Liability.

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2000-4 (Cont'd)

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>MONTHLY</b>
• Per ANAP	1ZZCR	\$714.29 (R)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES (Cont'd)**

**CASE NO:** 2000-5  
**CUSTOMER:** State of Colorado  
**EFFECTIVE:** }

**DESCRIPTION:** Unprotected ATM Service is being provided at 622 Mbps for an initial term of five years beginning on the date of the signed contract. After the initial term, the customer has the option to extend this arrangement in one-year increments for an additional five years. ATM is defined in 8.5 of this Tariff. The following Service Elements are used in conjunction with elements tariffed in Section 8, to complete the Specialized Arrangement.

**SERVICE ELEMENTS:** Optical Access Link (OAL)

An ATM 622 Mbps (OC12) Optical Access Link provides access to the ATM Network, connecting customer facilities at the network interface with a corresponding ATM Cell Transfer element. An ATM Optical Access Link is only available at ATM Service Points.

Port

ATM ports are the physical entry points into the ATM Network for Optical Access Links or other compatible private line facilities, such as Synchronous Service Transport (SST), DS3 Service or DS1 Service. They are the originating and terminating points for Virtual Path Connections and Virtual Channel Connections. Ports include the electronic equipment used in connecting these service elements to the ATM Network. They enable customers to allocate bandwidth to applications at customer-designated transmission speeds of up to 622 Mbps.

(N)

(N)

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES**

**CASE NO:** 2000-5 (Cont'd)

**SERVICE  
ELEMENTS:  
(Cont'd)**

Service Points

Service Points are geographic locations designated by the Company where the ATM Network can be accessed. The ATM Service Points are listed in the National Exchange Carrier Association Tariff FCC No. 4.

Logical Connections

ATM logical connections function as bi-directional Permanent Virtual Connections (PVCs). ATM will support a point-to-point logical connection configuration between two ports. Logical Connections may be any of the Service Classes defined in 8.5.1.B.6., and/or the new Service Classes called Variable Bit Rate-real time (VBR-rt) and Available Bit Rate (ABR).

- Virtual Channel Connections (VCC)

A VCC is a logical connection from one ATM Port to another ATM Port within the ATM Network.

(T)

VCCs are available as set forth in 8.5.1 and as VBR-rt and ABR at customer-selected Cell Transfer speed(s), depending on the customer's networking requirements, which include appropriate overheads.

- Virtual Path Connections (VPC)

VPCs are available as set forth in 8.5.1.

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2000-5 (Cont'd)

(N)

**SERVICE  
ELEMENTS:** Logical Connections (Cont'd)

- Logical connections are available at Mbps base speeds (e.g. 64 kbps, 1 Mbps, 1.544 Mbps, etc.) determined by the speed of the ATM Port (622 Mbps). The customer selects a base speed for each VCC they purchase which includes appropriate overheads. The bandwidth for each VCC is determined by multiplying the base speed by the number of increments of that base speed selected by the customer.

- 622 Mbps Port:
  - Increments of 64 kbps
  - Increments of 75 kbps
  - Increments of 1 Mbps
  - Increments of 1.544 Mbps
  - Increments of 1.787 Mbps
  - Increments of 40.7 Mbps
  - Increments of 149 Mbps

The 1 Mbps service increment allows 622 Mbps ports in addition to those specified in 8.5.1.

(N)

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES**

**CASE NO:** 2000-5 (Cont'd)

(N)

**SERVICE  
ELEMENTS:** Service Types

The customer may subscribe to existing service types in 8.5.1 and/or use the following new service types.

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

Supports bursty data traffic, with average and peak traffic parameters, which is transported immediately (e.g. LAN and video applications). The VBR-rt is described by values representing a Sustained Cell Rate (SCR) and Peak Cell Rate (PCR). The SCR is the maximum average cell transmission rate on a given VCC. It allows the network to allocate sufficient network resources to guarantee network performance objectives. The SCR applies only to VBR traffic. The PCR is the maximum cell transmission rate (cells per second) per VCC. Maximum Burst Size (MBS) is used to define the maximum number of cells that can be sent at the PCR on an SCR connection at one time.

- Available Bit Rate (ABR)

ATM layer transfer characteristics provided by the network may change subsequent to connection establishment, suitable for bursty data applications. A Minimum Cell Rate and PCR will be applied to facilitate the bandwidth management based on a feedback mechanism.

(N)

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES**

**CASE NO:** 2000-5 (Cont'd)

#### Service Descriptors

- Minimum Cell Rate (MCR)

The MCR is set at 10% of the PCR.

#### Service Elements

- Cell Transfer

The Cell Transfer service element transfers information between Network Interfaces connected to the ATM network at speed(s) selected by the customer for VCCs or VPCs. The customer must designate whether the Cell Transfer for each logical connection is as set forth in 8.5.1.

The total speed of Cell Transfer elements on a customer's ATM configuration may not exceed the associated Cell Transfer port speed including 622 Mbps.

- Central Office Connecting Channel (COCC)

A COCC provides the ongoing interconnection from the multiplexer or other Company facility port to an ATM port when a customer accesses ATM via a *QWEST DSL HOST* Port or a private line transport facility which requires multiplexing to be compatible with ATM transmission speeds or requires port-to-port connectivity. The COCC provides connectivity as set forth in 8.5.1 and/or up to 622 Mbps.

(T)



**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2000-5 (Cont'd)

(N)

**TERMS AND**

**CONDITIONS:** In the event the customer chooses to disconnect the entire service, without cause, prior to the expiration of this case, Termination Liability and Waiver Policy applies as set forth in 7.1.8, preceding. The Nonappropriations Clause included in the Termination Liability and Waiver Policy may also apply.

If this service becomes a general tariffed offering within the term of this Case then this arrangement will be converted to that general offering at the applicable rates. The length of time the customer subscribes to the specialized arrangement will be applied to the newly tariffed Pricing Plan to which the customer converts. If the customer chooses not to convert to the general tariffed offering then the service will be terminated without assessing the Termination Liability.

(N)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2000-5 (Cont'd)

(N)

**RATES AND CHARGES:**

In addition to applicable nonrecurring charges in 8.5.3, the following nonrecurring charges are applied as set forth for the same rate elements at different speeds, also located in 8.5.3. The following rates apply to the OC12 provided in this Case.

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Optical Access Link, 622 Mbps			
- Per link	1ZZUA	\$2,580.00	\$2,862.00
• Central Office Connecting Channel, per COCC			
- Up to 622 Mbps	1ZZUB	29.00	11.25
• <b>FEATURE</b>			
- <b>SERVICE TYPE</b>			
- <b>INCREMENT OF TOTAL BANDWIDTH</b>			
	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Cell Transfer, Fixed Rate, per port	1ZZUC	\$161.45	\$2,160.00
- Peak Cell Rate Service, per 64 kbps			
- 622 Mbps port	1ZZUD	—	1.80
- Peak Cell Rate Service, per 75 kbps			
- 622 Mbps port	1ZZUE	—	2.07
- Peak Cell Rate Service, per 1 Mbps			
- 622 Mbps port	1ZZUF	—	27.00
- Peak Cell Rate Service, per 1.544 Mbps			
- 622 Mbps port	1ZZUG	—	36.00

(N)

(Filed under Transmittal No. 29.)

Issued: December 5, 2000

Effective: December 20, 2000

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2000-5

(N)

**RATES AND CHARGES:**

In addition to applicable nonrecurring charges in 8.5.3, the following nonrecurring charges are applied as set forth for the same rate elements at different speeds, also located in 8.5.3. The following rates apply to the OC12 provided in this Case.

• Cell Transfer (Cont'd)

<b>SERVICE TYPE</b>	<b>INCREMENT OF TOTAL BANDWIDTH</b>	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
- Peak Cell Rate Service, per 1.787 Mbps				
- 622 Mbps port		1ZZUH	—	\$ 41.85
- Peak Cell Rate Service, per 40.7 Mbps				
- 622 Mbps port		1ZZUJ	—	945.00
- Peak Cell Rate Service, per 149 Mbps				
- 622 Mbps port		1ZZUK	—	3,420.00
- Variable Bit Rate-real time, per 64 kbps				
- 1.544 Mbps port		1ZZUL	—	2.03
- 45 Mbps port		1ZZUL	—	2.03
- 155 Mbps port		1ZZUL	—	2.03
- 622 Mbps port		1ZZUL	—	2.03
- Variable Bit Rate-real time, per 1 Mbps				
- 1.544 Mbps port		1ZZUM	—	31.50
- 45 Mbps port		1ZZUM	—	31.50
- 155 Mbps port		1ZZUM	—	31.50
- 622 Mbps port		1ZZUM	—	31.50

(N)

(Filed under Transmittal No. 29.)

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**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2000-5

(N)

**RATES AND CHARGES:**

In addition to applicable nonrecurring charges in 8.5.3, the following nonrecurring charges are applied as set forth for the same rate elements at different speeds, also located in 8.5.3. The following rates apply to the OC12 provided in this Case.

• Cell Transfer (Cont'd)

<b>SERVICE TYPE</b>	<b>INCREMENT OF TOTAL BANDWIDTH</b>	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
- Variable Bit Rate-real time, per 1.544 Mbps				
- 45 Mbps port		1ZZUN	—	\$39.15
- 155 Mbps port		1ZZUN	—	39.15
- 622 Mbps port		1ZZUN	—	39.15
- Sustained Cell Rate Service, per 64 kbps				
- 622 Mbps port		1ZZUO	—	2.25
- Sustained Cell Rate Service, per 1 Mbps				
- 622 Mbps port		1ZZUP	—	33.75
- Sustained Cell Rate Service, per 1.544 Mbps				
- 622 Mbps port		1ZZUQ	—	40.50
- Unspecified Bit Rate Service, per 64 kbps				
- 622 Mbps port		1ZZUR		0.72
- Unspecified Bit Rate Service, per 1 Mbps				
- 622 Mbps port		1ZZUS		10.80

(N)

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## 12. SPECIALIZED SERVICE OR ARRANGEMENTS

### 12.3 CASES

**CASE NO:** 2000-5 (Cont'd)

(N)

**RATES AND CHARGES:**

In addition to applicable nonrecurring charges in 8.5.3, the following nonrecurring charges are applied as set forth for the same rate elements at different speeds, also located in 8.5.3. The following rates apply to the OC12 provided in this Case.

- Cell Transfer (Cont'd)

- SERVICE TYPE				
- INCREMENT OF			NONRECURRING	MONTHLY
TOTAL BANDWIDTH	USOC		CHARGE	RATE
- Available Bit Rate, per 64 kbps				
- 1.544 Mbps port	1ZZUT	—		\$ 1.44
- 45 Mbps port	1ZZUT	—		1.44
- 155 Mbps port	1ZZUT	—		1.44
- 622 Mbps port	1ZZUT	—		1.44
- Available Bit Rate, per 1 Mbps				
- 1.544 Mbps port	1ZZUU	—		21.60
- 45 Mbps port	1ZZUU	—		21.60
- 155 Mbps port	1ZZUU	—		21.60
- 622 Mbps port	1ZZUU	—		21.60
- Available Bit Rate, per 1.544 Mbps				
- 45 Mbps port	1ZZUY	—		32.40
- 155 Mbps port	1ZZUY	—		32.40
- 622 Mbps port	1ZZUY	—		32.40

(N)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES (Cont'd)**

(D)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES (Cont'd)**

(T)  
(D)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES (Cont'd)**

**CASE NO:** 2001-1  
**CUSTOMER:** Salt Lake Organizing Committee  
**EFFECTIVE:** July 14, 2001  
**EXPIRATION**  
**DATE:** April 30, 2002

**DESCRIPTION:** This Case identifies the services and rates agreed upon with the Salt Lake Organizing Committee (SLOC). Service requests will be received from the SLOC or ISB (International Sports Broadcasting), acting as the SLOC's agent. These services are being used for the 2002 Olympics and Paralympics. The services are provided to, from, or between the following venues for originating and terminating traffic. Venues are those areas and locations associated directly to the 2002 Olympics/Paralympics and controlled by the SLOC for the duration of this Case. Each venue is comprised of the following specific locations.

Inner City

Accord Center  
Auxiliary Distribution Center  
Delta Center  
Doping Lab  
E-Center  
Eccles Tennis  
Frank Edwards Building  
IOC Hotel  
IS – PC Factory  
IS - TOC  
MMC Salt Palace  
Main Distribution Centers I, II, III  
Main Media Center  
Medal Plaza  
Media Village  
Olympic Hotel  
Olympic Medals Plaza  
Olympic Village  
Oquirrh Park

(N)

(N)



**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2001-1 (Cont'd)

(N)

**DESCRIPTION:** Inner City (Cont'd)

Primary Data Center  
Radio Distribution Warehouse (UCAN)  
Rice-Eccles Field House  
Rice-Eccles Stadium  
SLOC HQ – Wells Fargo Center  
Salt Lake County Ice Center (Murray)  
Salt Lake Olympic Square  
Salt Lake Sports Complex (Steiner)  
Secondary Data Center  
Social Circle  
Team 2002 Processing Center  
Transportation Motor Pool  
UOPSC – Olympic Coordination Center  
Union Pacific Depot  
Washington Square  
257 Building  
275 Building

Metro

Ogden Ice Rink  
Seven Peaks

Mountain

Deer Valley  
Park City  
Park City Main Street  
Park City Technical Support Compound  
Snowbasin  
Soldiers Hollow  
Winter Sports Park

**ACRONYMS:** IBC - International Broadcast Center

(N)

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES**

**CASE NO:** 2001-1 (Cont'd)

(N)

**Regulations:** Minimum Service Periods of one month apply to all services offered in this Case.

If demand for transport or other services exceed the capacity available, or transport services are requested at sites not served by this Case, Special Construction charges, in Tariff FCC 2, may apply.

In addition to services, this Case provides on-site service technicians at the hourly rate specified in Rates and Charges, following.

Tariffed installation and repair guarantees do not apply to this Case. Service intervals for this Case are determined on an individual order basis. Service intervals established in other Section(s) of this Tariff do not apply.

Unless specified in Rates and Charges, following, nonrecurring charges are identified and applied as set forth in each individual service's section of this Tariff.

After April 30, 2002, the customer may transfer use of the service to another customer at no charge, provided there are no design or location changes.

(N)

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES**

**CASE NO:** 2001-1 (Cont'd)

(N)

**SERVICES:** The following FCC Services are offered at the rates specified in the Rates and Charges section of this Case. Refer to the Tariff references for descriptions and other regulations.

Features not specified in this Case, such as signaling, bridging, and multiplexing, are available as set forth in each service's section. The current tariffed rates apply.

#### Digital Data Service

Digital Data Service (DDS) is offered as a point-to-point circuit at speeds of 9.6, 19.2, 56, and 64 kbps. DDS is located in 7.10 of this Tariff.

#### DS1 Service

DS1 Service is a 1.544 Mbps voice and data service. DS1 Service is located in 7.11 of this Tariff.

#### DS3 Service

DS3 Service is offered as a standard 45 Mbps electrical interface. The service is further defined in 7.12 of this Tariff.

#### SONET

SONET based high-speed transport to provide point-to-point (venue-to-venue) connectivity via a standard fiber interface. This service does not include any multiplexing equipment. SONET is available as set forth in 7.15 at the following speeds:

- OC3 Optical Interface (155 Mbps)
- OC12 Optical Interface (622 Mbps)
- OC24 Optical Interface (1244 Mbps)
- OC48 Optical Interface (2488 Mbps)

(N)

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES**

**CASE NO:** 2001-1

(N)

**SERVICES: (Cont'd)**

#### ATM

ATM Service is a broadband, network transport service that provides high-speed, low-delay information transfer with quality of service guarantees. Additional information may be found in 8.5 of this Tariff.

#### Frame Relay Service

Frame Relay Service (FRS) is defined in 8.3 of this Tariff. FRS is provided as follows:

- 56 kbps access with 1 PVC has a committed information rate of 28 kbps.
- Bursts above 28 kbps are flagged discard eligible.
- 1.544 Mbps access with 10 PVCs has a committed information rate of 768 kbps.
- Bursts above 768 kbps are flagged discard eligible.

#### Digital Subscriber Line

Digital Subscriber Line (DSL) is found in 8.4 of this Tariff under the name Qwest DSL Service.

#### Broadcast Quality - TV1

This service, at 155 Mbps, is end-to-end unidirectional which includes associated four-channel audio. At 3.5, 7, and 15 kHz the service is bi-directional and 4-wire full duplex. Additional information is located in 7.6 under Broadcast Video Service.

(N)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2001-1

(N)

**SERVICES: (Cont'd)**

Serial Digital Interface

This service is provided at 270 Mbps. The description and additional information regarding this service is located in 7.9 under HDTV-Net.

Serial Digital at 360 Mbps

This service is unfinished at 360 Mbps. It is similar to Serial Digital Interface but at a different speed.

Return Video - TV1

Return Video is at 155 Mbps. The service is end-to-end unidirectional and includes associated four-channel audio.

Analog Voice Grade Private Line

This service is bi-directional and has no signaling. Additional information is available in 7.4 of this Tariff.

(N)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2001-1 (Cont'd)

(N)

**RATES AND CHARGES:** Transport channel mileage does not apply in this Case to the following services.

	<b>USOC</b>	<b>FIRST MONTH</b>	<b>ADDNL MONTH</b>	<b>ADDNL DAY</b>	<b>ADDNL WEEK</b>
<u>Digital Data Service</u>					
• Inner City	OLYAF	\$ 413.00	\$ 213.00	\$ 7.10	\$ 49.70
• Metro	OLYAG	423.00	223.00	7.43	52.03
• Mountain	OLYAH	428.00	228.00	7.60	53.20
• IBC to Qwest Salt Lake Main POP	OLYAJ	413.00	213.00	7.10	49.70
<u>DS1 Service</u>					
• Inner City	OLYAK	592.00	279.00	9.30	65.10
• Metro	OLYAL	665.00	351.00	11.70	81.90
• Mountain	OLYAM	1,063.00	749.00	24.97	174.77
• IBC to Qwest Salt Lake Main POP	OLYAN	592.00	279.00	9.30	65.10
• Central Office Multiplexing, per DS1	OLYCE	200.00	200.00	6.67	46.67
<u>DS3 Service</u>					
• Inner City	OLYAO	3,758.00	3,131.00	104.37	730.57
• Metro	OLYAP	3,884.00	3,257.00	108.57	759.97
• Mountain	OLYAQ	8,448.00	7,821.00	260.70	1,824.90
• From IBC to POP	OLYEH	3,758.00	3,131.00	—	—

(N)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE No:** 2001-1

(N)

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

	<b>USOC</b>	<b>FIRST MONTH</b>	<b>ADDNL MONTH</b>	<b>ADDNL DAY</b>	<b>ADDNL WEEK</b>
<u><b>SONET</b></u>					
• OC3 Optical Interface	OLYCF	\$ 6,182.00	\$ 5,106.00	\$ 170.20	\$ 1,191.40
• OC12 Optical Interface	OLYCG	21,550.00	17,288.00	576.27	4,033.87
• OC24 Optical Interface	OLYCH	39,452.00	30,942.00	1,031.40	7,219.80
• OC48 Optical Interface	OLYCJ	72,898.00	55,892.00	1,863.07	13,041.47
<u><b>ATM</b></u>					
• 45 Mbps Access	OLYCK	2,037.00	1,035.00	34.50	241.50
• 155 Mbps Access	OLYCL	2,372.00	1,315.00	43.83	306.83
• Virtual Channel, each	OLYCM	150.00	150.00	5.33	37.33
• Virtual Port, each	OLYCN	150.00	150.00	5.33	37.33
• One Megabit Usage	OLYCO	34.00	34.00	1.13	7.93

(N)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE No:** 2001-1

(N)

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

	<b>USOC</b>	<b>FIRST MONTH</b>	<b>ADDNL MONTH</b>	<b>ADDNL DAY</b>	<b>ADDNL WEEK</b>
<u>Frame Relay Service</u>					
• 56 kbps Access with 1 PVC	OLYBH	\$492.00	\$ 42.00	\$1.40	\$ 9.80
- Each Additional PVC	OLYBJ	6.00	6.00	0.20	1.40
• 1.544 Mbps Access with 10 PVCs	OLYBK	714.00	114.00	3.80	26.60
- Each Additional PVC	OLYBL	35.00	35.00	1.17	8.17
	<b>USOC</b>	<b>NONRECURRING CHARGE</b>			
• Each Additional PVC added after initial service installation	OLYCP			\$90.00	

Digital Subscriber Line

	<b>USOC</b>	<b>FIRST MONTH</b>	<b>ADDNL MONTH</b>	<b>ADDNL DAY</b>	<b>ADDNL WEEK</b>
• DSL – 256 kbps	OLYBM	\$150.00	\$40.00	\$1.33	\$ 9.33
• DSL – 512 kbps	OLYBN	162.00	62.00	2.07	14.47
• DSL – 768 kbps	OLYBO	187.00	77.00	2.57	17.97

(N)



**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2001-1

(N)

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

	<b>USOC</b>	<b>FIRST MONTH</b>	<b>ADDNL MONTH</b>	<b>ADDNL DAY</b>	<b>ADDNL WEEK</b>
<u>Broadcast Quality TV1</u>					
• 155 Mbps					
- Inner City	OLYAR	\$ 3,000.00	\$ 3,000.00	\$100.00	\$ 700.00
- Metro	OLYAS	10,000.00	10,000.00	333.33	2,333.33
- Mountain	OLYAT	15,000.00	15,000.00	500.00	3,500.00
- IBC to Salt Lake Main	OLYAU	1,800.00	1,800.00	60.00	420.00
<u>Serial Digital Interface</u>					
• 270 Mbps					
- Inner City	OLYA2	3,700.00	3,700.00	123.33	863.33
- Metro	OLYA3	10,700.00	10,700.00	356.67	2,496.67
- Mountain	OLYA4	15,700.00	15,700.00	523.33	3,663.33
- From IBC to POP	OLYEG	3,100.00	3,100.00	—	—
• 360 Mbps					
- Inner City	OLYA5	5,500.00	5,500.00	183.33	1,283.33
- Metro	OLYA6	16,050.00	16,050.00	535.00	3,745.00
- Mountain	OLYA7	23,550.00	23,550.00	785.00	5,495.00
- From IBC to POP	OLYEA	4,900.00	4,900.00	—	—
• 1.5 Gbps					
- Inner City	OLYEB	7,500.00	7,500.00	—	—
- Metro	OLYEC	20,000.00	20,000.00	—	—
- Mountain	OLYED	28,000.00	28,000.00	—	—

(N)

1801 California Street, Denver, Colorado 80202

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2001-1

(N)

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

	<b>USOC</b>	<b>FIRST MONTH</b>	<b>ADDNL MONTH</b>	<b>ADDNL DAY</b>	<b>ADDNL WEEK</b>
<u>Return Video</u>					
• TV1 Service - 155 Mbps					
- Inner City	OLYAX	\$ 2,650.00	\$ 750.00	\$ 25.00	\$175.00
- Metro	OLYAY	4,400.00	2,500.00	83.33	583.33
- Mountain	OLYAZ	5,650.00	3,750.00	125.00	875.00
• Serial Digital Interface - 270 Mbps					
- Inner City	OLYEK	3,100.00	3,100.00	—	—
- Metro	OLYEL	10,100.00	10,100.00	—	—
- Mountain	OLYEM	14,900.00	14,900.00	—	—
<u>Broadcast Quality Audio</u>					
• 3.5 kHz					
- Inner City	OLYBA	500.00	500.00	16.67	116.67
- Metro	OLYBA	500.00	500.00	16.67	116.67
- Mountain	OLYBA	500.00	500.00	16.67	116.67
• 7 kHz					
- Inner City	OLYBB	1,700.00	1,700.00	56.67	396.67
- Metro	OLYBB	1,700.00	1,700.00	56.67	396.67
- Mountain	OLYBB	1,700.00	1,700.00	56.67	396.67

(N)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES**

**CASE NO:** 2001-1

(N)

**RATES AND  
CHARGES:**

	<b>USOC</b>	<b>FIRST MONTH</b>	<b>ADDNL MONTH</b>	<b>ADDNL DAY</b>	<b>ADDNL WEEK</b>
<u>Broadcast Quality Audio (Cont'd)</u>					
• 15 kHz					
- Inner City	OLYBC	\$2,100.00	\$2,100.00	\$70.00	\$490.00
- Metro	OLYBC	2,100.00	2,100.00	70.00	490.00
- Mountain	OLYBC	2,100.00	2,100.00	70.00	490.00
- From IBC to Qwest Salt Lake Main POP	OLYBD	262.00	262.00	8.73	61.13
- From IBC to Ogden	OLYEE	756.00	756.00	—	—
- From IBC to Provo	OLYEF	1,208.00	1,208.00	—	—
<u>Analog Voice Grade Private Line</u>					
• Inner City	OLYBE	353.00	85.00	2.83	19.83
• Metro	OLYBF	357.00	89.00	2.97	20.77
• Mountain	OLYBG	359.00	91.00	3.03	21.23
• From IBC to Qwest Salt Lake Main POP	OLYBE	353.00	85.00	2.83	19.83
	<b>USOC</b>		<b>PER HOUR</b>		
<u>On-Site Technician</u>					
• Per technician[1]	OLYBQ		\$65.00		

[1] For billing, partial hours are rounded up to the next hour.

(N)

**12. SPECIALIZED SERVICE OR ARRANGEMENTS**

**12.3 CASES (CONT'D)**

**CASE NO:** 2004-1  
**CUSTOMER:** Franciscan Health System  
**EFFECTIVE:** 11-16-2004

(N)

**DESCRIPTION:** This case will provide Ethernet Ports over SONET (EPoS) to be used over a Company provided Self-Healing Network Service (SHNS) OC48 as set forth in Section 15, following. EPoS provides an Ethernet protocol interface for managed optical transport of data signals of 100 Mbps. EPoS allows for point-to-point transmission on SHNS bandwidths at a speed of 100 Mbps.

The initial installation of this system will include a minimum of 6 Ethernet Ports over SONET (EPoS). Additional EPoS may be added throughout the of this 60-month term plan.

The initial term of this case is 60-months which will complete on November 15, 2009. If this service becomes a general tariff offering within the term of this Case, this arrangement will be converted to that general offering at the applicable rates. If the customer chooses not to convert to the general tariff offering, the service will be terminated without assessing Termination Liability.

<b>RATE ELEMENT</b>	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• 100 Mbps Per Ethernet Port	1ZZES	\$177.00	\$375.00

(N)

## **12. SPECIALIZED SERVICE OR ARRANGEMENTS**

### **12.3 CASES (Cont'd)**

**CASE No:** 2005-1  
**CUSTOMERS:** Los Alamos National Labs and the University of New Mexico  
**EFFECTIVE:** 9-1-2005

**DESCRIPTION:** This case allows Los Alamos National Labs to connect a GeoMax Circuit located at their premise with the University of New Mexico premise using only one CO Node. The terms and conditions for GeoMax as set forth in Section 7, preceding would require the aforementioned arrangement to connect through two CO Nodes. This case introduces a configuration that requires only one CO Node in lieu of the two CO Node requirements, hence the name "Hairpin Configuration".

The initial term of this case is 60-months which will complete on August 31, 2010. If this service becomes a general tariff offering within the term of this Case, this arrangement will be converted to that general offering at the applicable rates. If the customer chooses not to convert to the general tariff offering, the service will be terminated without assessing Termination Liability.

The customer will be billed at the appropriate 60-month term rates set forth in Section 7, preceding and Section 17, following. When the entire service or a portion of the service is disconnected prior to the expiration of the fixed period service rate plan then Termination Liability and Waiver Charges (TLA) as set forth in Section 7, preceding, will apply.

(N)

(N)

**13. MISCELLANEOUS SERVICES**

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(D)  
(T)  
(N)

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### **13. MISCELLANEOUS SERVICES**

#### **13.1 ADDITIONAL ENGINEERING**

##### **13.1.1 GENERAL**

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

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

- A customer requests additional technical information after the Company has already provided the technical information normally included on the Design Layout Report (DLR) as set forth in 6.1.4 and 7.1.2.B., preceding, or
- Additional engineering time is incurred by the Company to engineer a customer's request for a customized service as set forth in 7.1.B., preceding.

###### **B. Business Hours**

Normal business hours are from Monday through Friday, 8:00 a.m. to 5:00 p.m. Hours before 8:00 a.m. and after 5:00 p.m., Monday through Friday, and all day Saturday, are considered overtime.

###### **C. Regulations**

The Company will notify the customer that additional engineering charges will apply before any additional engineering is undertaken.

**13. MISCELLANEOUS SERVICES**

**13.1 ADDITIONAL ENGINEERING (Cont'd)**

**13.1.2 RATES AND CHARGES**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Basic Time, per engineer		
- First 1/2 hour or fraction thereof	AEQXX	\$46.00
- Each additional 1/2 hour or fraction thereof	AEQ1X	28.00
• Overtime, per engineer		
- First 1/2 hour or fraction thereof	AEQOX	51.00
- Each additional 1/2 hour or fraction thereof	AEQ2X	33.00

### **13. MISCELLANEOUS SERVICES**

#### **13.2 ADDITIONAL LABOR**

##### **13.2.1 GENERAL**

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

1. Additional labor includes Overtime Installation and Other Labor. Additional Labor is requested by the customer and agreed to by the Company.
2. Overtime installation is that Company installation effort requested by the customer outside of normal business hours.
3. Other labor is that additional labor not included in 2., preceding. Other labor is incurred to accommodate a specific customer request that involves only labor, including testing and maintenance not covered in 13.3, which is not covered by any other section of this Tariff.
4. Labor charges for the Configuration of Optical Services that are not included in 2 or 3, preceding. This charge covers a specific customer request that involves only labor, including testing and maintenance not covered in 13.3, or any other section of this Tariff.

(N)  
|  
(N)

###### **B. Business Hours**

Normal business hours are from Monday through Friday, 8:00 a.m. to 5:00 p.m. Hours before 8:00 a.m. and after 5:00 p.m., Monday through Friday, and all day Saturday, are considered overtime. Sundays and Holidays are premium time.

**13. MISCELLANEOUS SERVICES**

**13.2 ADDITIONAL LABOR**

**13.2.1 GENERAL (Cont'd)**

**C. Regulations**

1. The Company will notify the customer that additional labor charges will apply before any additional labor is undertaken.
2. The labor charges apply per Company technician performing billable work at the customer's request except as specified in 5., following.
3. If multiple types of services are being ordered on one request, at a designated premises, all orders must specifically reference the original request.
4. When more than one technician is involved in working on a customer's request, the amount of time accrued by all technicians will be totaled to determine the number of 1/2 hour increments to be billed.
5. Only one first 1/2 hour increment applies per request.
6. The call-out of a Company employee at a time not consecutive with the employee's scheduled work period, is subject to a minimum charge of four hours.

**13. MISCELLANEOUS SERVICES**

**13.2 ADDITIONAL LABOR (Cont'd)**

**13.2.2 RATES AND CHARGES**

**A. Installation Charges**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Overtime		
- First 1/2 hour or fraction thereof, per request	ALFOX	\$10.00
- Each additional 1/2 hour or fraction thereof, per technician	ALF2X	10.00
• Premium Time		
- First 1/2 hour or fraction thereof, per request	ALFPX	20.00
- Each additional 1/2 hour or fraction thereof, per technician	ALF3X	20.00

**13. MISCELLANEOUS SERVICES**

**13.2 ADDITIONAL LABOR**

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

**B. Other Labor Charges**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Basic Time		
- First 1/2 hour or fraction thereof, per request	ALGXX	\$45.00
- Each additional 1/2 hour or fraction thereof, per technician	ALG1X	25.00
• Overtime		
- First 1/2 hour or fraction thereof, per request	ALGOX	45.00
- Each additional 1/2 hour or fraction thereof, per technician	ALG2X	25.00
• Premium Time		
- First 1/2 hour or fraction thereof, per request	ALGPX	50.00
- Each additional 1/2 hour or fraction thereof, per technician	ALG3X	35.00

**C. Labor for Configuration of Optical Services**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Service Order Charge,		
- per request	NKC51	\$175.00

(N)  
|  
(N)

### **13. MISCELLANEOUS SERVICES**

#### **13.3 TESTING SERVICES**

##### **13.3.1 GENERAL**

Testing Services, offered under this section of the Tariff, are optional and subject to rates and charges as set forth, following. Other testing services provided by the Company in association with Access Services are furnished at no additional charge. These other testing services are described in 6.1.5 and 7.1.E., preceding.

Testing services are normally provided, by Company personnel, Company locations. However, provisions are made in 13.3.2.A.5., and 13.3.3.A.1. and 2., following, for a customer to request that Company personnel perform testing services at the customer's premises.

The offering of Testing Services under this section of the Tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in 13.3.2 and 13.3.3, following.

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

##### **13.3.2 SWITCHED ACCESS SERVICE**

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

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

### **13. MISCELLANEOUS SERVICES**

#### **13.3 TESTING SERVICES**

##### **13.3.2 SWITCHED ACCESS SERVICE**

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

Scheduled tests are those tests performed by the Company on a regular basis, e.g., monthly, which result in the measurement of Switched Access Service. Scheduled tests may be performed as follows:

- On an automatic basis with no Company or customer technicians involved,
- On a cooperative basis with Company technician(s) involved at Company office(s) and customer technician(s) involved at customer's premises, or
- On a manual basis with Company technician(s) involved at Company office(s) and at customer's premises.

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

###### **1. Additional Cooperative Acceptance Testing**

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

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

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



### **13. MISCELLANEOUS SERVICES**

#### **13.3 TESTING SERVICES**

##### **13.3.2 SWITCHED ACCESS SERVICE**

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

###### **2. Automatic Scheduled Testing**

Automatic Scheduled Testing (AST) of Switched Access Services (Trunkside), where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent, will consist of monthly loss and C-message noise tests and annual balance test. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

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

###### **3. Cooperative Scheduled Testing**

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

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

### **13. MISCELLANEOUS SERVICES**

#### **13.3 TESTING SERVICES**

##### **13.3.2 SWITCHED ACCESS SERVICE**

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

###### **4. Manual Scheduled Testing**

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

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

### **13. MISCELLANEOUS SERVICES**

#### **13.3 TESTING SERVICES**

##### **13.3.2 SWITCHED ACCESS SERVICE**

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

###### **5. Nonscheduled Testing**

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

- The customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent ("automatic testing"), or
- The Company provides a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests ("cooperative testing"), or
- The Company provides a technician at its office(s), and/or at the customer's premises with suitable test equipment to perform the required tests ("manual testing").

Nonscheduled Tests may consist of any tests, e.g., loss, noise, slope envelope delay, which the customer may require.

###### **B. Obligations of the Customer**

1. The customer shall provide the Remote Office Test Line priming data to the Company, as appropriate, to support AST as set forth in 2., preceding, or NST as set forth in 5., preceding.
2. The customer shall make the facilities to be tested available to the Company at times mutually agreed upon.

**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.2 SWITCHED ACCESS SERVICE (Cont'd)**

**C. Rates and Charges**

**1. Additional Cooperative Acceptance Testing**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Basic Time, per technician		
- First 1/2 hour or fraction thereof	UBCX+	\$39.16
- Each additional 1/2 hour or fraction thereof	UBC1+	22.16
• Overtime, per technician		
- First 1/2 hour or fraction thereof	UBCO+	43.69
- Each additional 1/2 hour or fraction thereof	UBC2+	26.68
• Premium Time, per technician		
- First 1/2 hour or fraction thereof	UBCP+	48.21
- Each additional 1/2 hour or fraction thereof	UBC3+	31.21

**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.2 SWITCHED ACCESS SERVICE**

**C. Rates and Charges (Cont'd)**

**2. Automatic Scheduled Testing (AST)**

Basic Tests represent the minimum offering, i.e., an order for testing must, at a minimum, consist of twelve 1004 Hz Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The Basic Tests are subject to a one-year minimum contract period, and annually thereafter.

Additional Tests may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

**a. Basic Tests**

<b>TO FIRST POINT OF SWITCHING</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
• 1004 Hz Loss Tests performed within a 1-year period, per test ordered, per transmission path	UBGX+	\$0.02
• C-Message Noise Tests performed within a one-year period, per test ordered, per transmission path	UBGX+	0.02
• Return Loss (Balance) Tests performed within a one-year period, per test ordered, per transmission path	UBGX+	0.04

**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.2 SWITCHED ACCESS SERVICE**

C.2. (Cont'd)

b. Additional Tests

<b>TO FIRST POINT OF SWITCHING</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
• Gain-Slope Tests performed within a one-year period, per test ordered, per transmission path	UBGX+	\$0.02
• C-Notched Noise Tests performed within a one-year period, per test ordered, per transmission path	UBGX+	0.02

c. Example

A customer schedules thirteen 1004 Hz Loss Tests, thirteen C-Message Noise Tests and two Return Loss Tests on one trunk for a year. The charges will be computed as follows:

$$\begin{array}{rcl} 13 & \times & \$0.02 & = & \$0.26 \\ + & 13 & \times & 0.02 & = & 0.26 \\ + & 2 & \times & 0.04 & = & \underline{0.08} \\ & & & & & \$0.60 \text{ per month, per trunk} \end{array}$$

**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.2 SWITCHED ACCESS SERVICE**

**C. Rates and Charges (Cont'd)**

**3. Cooperative Scheduled Testing**

Basic Tests represent the minimum offering, i.e., an order for testing must, at a minimum, consist of four 1004 Hz Loss Tests per transmission path, four C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. Basic Tests are subject to a one-year minimum contract period, and annually thereafter.

Additional Tests may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

**a. Basic Tests**

<b>TO FIRST POINT OF SWITCHING</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
• 1004 Hz Loss Tests performed within a 1-year period, per test ordered, per transmission path	UBSX+	\$0.07
• C-Message Noise Tests performed within a one-year period, per test ordered, per transmission path	UBSX+	0.07
• Return Loss (Balance) Tests performed within a one-year period, per test ordered, per transmission path	UBSX+	0.26

**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.2 SWITCHED ACCESS SERVICE**

C.3. (Cont'd)

b. Additional Tests

<b>TO FIRST POINT OF SWITCHING</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
• Gain-Slope Tests performed within a one-year period, per test ordered, per transmission path	UBSX+	\$0.07
• C-Notched Noise Tests performed within a one-year period, per test ordered, per transmission path	UBSX+	0.07

c. Example

A customer schedules six 1004 Hz Loss Tests, six C-Message Noise Tests and four Return Loss Tests on one trunk for a year. The charges will be computed as follows:

$$\begin{array}{rcl} 6 & \times & \$0.07 & = & \$0.42 \\ + 6 & \times & 0.07 & = & 0.42 \\ + 4 & \times & 0.26 & = & \underline{1.04} \\ & & & & \$1.88 \text{ per month, per trunk} \end{array}$$



**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.2 SWITCHED ACCESS SERVICE**

**C. Rates and Charges (Cont'd)**

**4. Manual Scheduled Testing (MST)**

Basic Tests represent the minimum offering, i.e., an order for testing must, at a minimum, consist of four 1004 Hz Loss Tests per transmission path, four C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. Basic Tests are subject to a one-year minimum contract period, and annually thereafter.

Additional Tests may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

**a. Basic Tests**

<b>TO FIRST POINT OF SWITCHING</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
• 1004 Hz Loss Tests performed within a 1-year period, per test ordered, per transmission path	UBMX+	\$0.14
• C-Message Noise Tests performed within a one-year period, per test ordered, per transmission path	UBMX+	0.14
• Return Loss (Balance) Tests performed within a one-year period, per test ordered, per transmission path	UBMX+	0.50

**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.2 SWITCHED ACCESS SERVICE**

C.4. (Cont'd)

b. Additional Tests

<b>TO FIRST POINT OF SWITCHING</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>Gain-Slope Tests performed within a one-year period, per test ordered, per transmission path</li></ul>	UBMX+	\$0.13
<ul style="list-style-type: none"><li>C-Notched Noise Tests performed within a one-year period, per test ordered, per transmission path</li></ul>	UBMX+	0.13

c. Example

See 3.c., preceding.

**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.2 SWITCHED ACCESS SERVICE**

**C. Rates and Charges (Cont'd)**

**5. Nonscheduled Testing**

**a. Automatic Testing**

<b>TO FIRST POINT OF SWITCHING</b>	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• 1004 Hz Loss, per test performed	USCX+	\$0.45
• C-Message Noise, per test performed	USCX+	0.45
• Return Loss (Balance), per test performed	USCX+	0.66
• Gain-Slope, per test performed	USCX+	0.45
• C-Notched Noise, per test performed	USCX+	0.45

**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.2 SWITCHED ACCESS SERVICE**

C.5. (Cont'd)

b. Cooperative Testing

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Basic Time, per technician		
- First 1/2 hour or fraction thereof	USSX+	\$39.15
- Each additional 1/2 hour or fraction thereof	USS1+	22.15
• Overtime, per technician		
- First 1/2 hour or fraction thereof	USSO+	43.68
- Each additional 1/2 hour or fraction thereof	USS2+	26.68
• Premium Time, per technician		
- First 1/2 hour or fraction thereof	USSP+	48.21
- Each additional 1/2 hour or fraction thereof	USS3+	31.21

(Filed under Transmittal No. 2.)

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**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.2 SWITCHED ACCESS SERVICE**

C.5. (Cont'd)

c. Manual Testing

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Basic Time, per technician		
- First 1/2 hour or fraction thereof	USMX+	\$39.15
- Each additional 1/2 hour or fraction thereof	USM1+	22.15
• Overtime, per technician		
- First 1/2 hour or fraction thereof	USMO+	43.68
- Each additional 1/2 hour or fraction thereof	USM2+	26.68
• Premium Time, per technician		
- First 1/2 hour or fraction thereof	USMP+	48.21
- Each additional 1/2 hour or fraction thereof	USM3+	31.21

### **13. MISCELLANEOUS SERVICES**

#### **13.3 TESTING SERVICES (Cont'd)**

##### **13.3.3 PRIVATE LINE TRANSPORT SERVICE**

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

At the request of a customer, the Company will provide assistance in performing specific non-maintenance tests.

###### **1. Additional Cooperative Acceptance Testing**

When a customer provides a technician at its premises or at an end user's premises, with suitable test equipment to perform the required tests, the Company will provide a technician at its office for the purpose of conducting Additional Cooperative Acceptance Testing. At the customer's request, the Company will provide a technician at the customer's premises or at the end user's premises. The tests conducted will be appropriate for the service involved.

###### **2. Nonscheduled Testing**

When a customer provides a technician at its premises, with suitable test equipment to perform the required tests, the Company will provide a technician at its office for the purpose of conducting Nonscheduled Testing (NST). At the customer's request, the Company will provide a technician at the customer's premises. Nonscheduled tests consist of any tests appropriate for the service involved which the customer may require.

###### **B. Obligation of the Customer**

When the customer subscribes to Testing Service, the customer shall make the facilities to be tested available to the Company at times that are mutually agreed upon.

**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.3 PRIVATE LINE TRANSPORT SERVICE (Cont'd)**

**C. Rates and Charges**

**1. Additional Cooperative Acceptance Testing**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Basic Time, per technician		
- First 1/2 hour or fraction thereof	SNTX+	\$40.00
- Each additional 1/2 hour or fraction thereof	SNT1+	25.00
• Overtime, per technician		
- First 1/2 hour or fraction thereof	SNTO+	40.00
- Each additional 1/2 hour or fraction thereof	SNT2+	25.00
• Premium Time, per technician		
- First 1/2 hour or fraction thereof	SNTP+	50.00
- Each additional 1/2 hour or fraction thereof	SNT3+	35.00

**13. MISCELLANEOUS SERVICES**

**13.3 TESTING SERVICES**

**13.3.3 PRIVATE LINE TRANSPORT SERVICE**

**C. Rates and Charges (Cont'd)**

**2. Nonscheduled Testing**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Basic Time, per technician		
- First 1/2 hour or fraction thereof	SNOX+	\$40.00
- Each additional 1/2 hour or fraction thereof	SNO1+	25.00
• Overtime, per technician		
- First 1/2 hour or fraction thereof	SNOO+	40.00
- Each additional 1/2 hour or fraction thereof	SNO2+	25.00
• Premium Time, per technician		
- First 1/2 hour or fraction thereof	SNOP+	50.00
- Each additional 1/2 hour or fraction thereof	SNO3+	35.00



### **13. MISCELLANEOUS SERVICES**

#### **13.4 MAINTENANCE OF SERVICE**

##### **13.4.1 GENERAL**

###### **A. Business Hours**

Normal business hours are Monday through Friday, 8:00 a.m. to 5:00 p.m. Hours before 8:00 a.m. and after 5:00 p.m., Monday through Friday, and all day Saturday, are considered overtime. Sundays and Holidays are premium time.

###### **B. Regulations**

1. When a customer reports trouble to the Company for clearance and no trouble is found in the Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge. Maintenance of Service charges apply, per technician, for the period of time from when Company personnel is dispatched to an unattended Company building or the customer's premises, until the work is completed or as set forth in C., following.
2. The customer shall be responsible for payment of a Maintenance of Service charge when the trouble is in equipment or communications systems provided by other than the Company, or in detariffed CPE provided by the Company. No charge will apply when the trouble is found in the Company's facilities or equipment.
3. When a customer reports trouble within a quantity of services and circuits, but fails to identify the specific service and circuit which is experiencing trouble, a Maintenance of Service charge applies for the time spent by Company personnel to isolate the trouble.

### **13. MISCELLANEOUS SERVICES**

#### **13.4 MAINTENANCE OF SERVICE**

##### **13.4.1 GENERAL**

###### **B. Regulations (Cont'd)**

4. A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.
5. Failure of Company personnel to find trouble in Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time. Maintenance of Service charges are applicable per technician. No credit allowance will be applicable for the interruptions involved if the Maintenance of Service charge applies. In addition, the conditions as set forth in C., following, may apply.
6. A Dispatch Charge, as set forth in 13.5, may apply.

###### **C. Trouble Isolation for Interconnection Services**

When an interconnector requests that the Company cooperatively test for trouble isolation in conjunction with EIC Service and no trouble is found in the Company's facilities, the interconnector shall be responsible for payment of a Maintenance of Service charge. The charge also applies if trouble is found in equipment, communications systems, and/or facilities provided by other than the Company. The charge is applicable per technician from the beginning of the Company's test work to when the Company's test work is completed.

**13. MISCELLANEOUS SERVICES**

**13.4 MAINTENANCE OF SERVICE (Cont'd)**

**13.4.2 RATES AND CHARGES**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Basic Time, per technician		
- First 1/2 hour or fraction thereof	MVWXX	\$35.00
- Each additional 1/2 hour or fraction thereof	MVW1X	35.00
• Overtime, per technician		
- First 1/2 hour or fraction thereof	MVWOX	43.00
- Each additional 1/2 hour or fraction thereof	MVW2X	43.00
• Premium Time, per technician		
- First 1/2 hour or fraction thereof	MVWPX	50.00
- Each additional 1/2 hour or fraction thereof	MVW3X	50.00

### **13. MISCELLANEOUS SERVICES**

#### **13.5 DISPATCH CHARGE**

##### **13.5.1 DESCRIPTION**

The Company assesses Dispatch Charges when a technician(s) is dispatched. The charge applies in the following situations:

##### **A. Service Date Change**

A Dispatch Charge may apply to orders for services provided out of Sections 6, 7, 8, 10, 15 and 20. One charge applies if, for any reason, the customer requests a service date change but fails to notify the Company before the service date and a Company technician is dispatched to the customer's premises on the service date. The Company shall then assess a Dispatch Charge and change the service date, if appropriate, as set forth in 5.2.2. The charge may apply each time this situation occurs.

##### **B. Maintenance of Service**

One Dispatch Charge applies, regardless of the type of service, when one or more technicians are dispatched for Maintenance of Service and no trouble is found in the Company's facilities. If, after the initial repair visit, a repair ticket is still open and a technician(s) is dispatched again, another Dispatch Charge applies. The additional Dispatch Charge only applies if trouble is still not found in Company's facilities. Maintenance of Service charges also apply.

##### **13.5.2 RATES AND CHARGES**

<b>DISPATCH REASON</b>	<b>USOC</b>
Service Date Change	VT6DC
Maintenance of Service	VT6DM

The following charge applies.

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Per occurrence	VT6++	\$100.00

### **13. MISCELLANEOUS SERVICES**

#### **13.6 STANDARD JACKS - REGISTRATION PROGRAM**

##### **13.6.1 GENERAL**

Standard jacks are provided by the Company to connect Registered Equipment to those services that are subject to the Registration Program as set forth in Technical Reference Publication AS No. 1. The use of jacks is covered in Part 68 of the F.C.C.'s Rules and Regulations. Specific jacks are described in the document on file with the F.C.C. entitled "Descriptions of Standard Registration Program Connection Configurations Supplementing Configurations Described in Subpart F of Part 68 of the F.C.C.'s Rules and Regulations."

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

**13. MISCELLANEOUS SERVICES**

**13.6 STANDARD JACKS - REGISTRATION PROGRAM (Cont'd)**

**13.6.2 RATES AND CHARGES**

**A. Voice Jacks**

1. Miniature six-position jacks for connection of terminal equipment as follows:

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Single-line telephone set, surface or flush mounted	RJ11C	\$ 7.84
• Single-line telephone sets, wall mounted	RJ11W	15.25
• Two-line non-key telephone sets, surface or flush mounted	RJ14C	7.79
• Single-line bridged 4-wire exchange 2/RT, T1/R1	RJ1DC	13.71
• Two-line non-key telephone sets, wall mounted	RJ14W	16.21
• Special single-line equipment for use in hospital critical care areas[1]	RJ17C	8.34
• 9DB single-line data equipment with mode indication and mode indication common leads[2]	RJ16X	6.93
• Three-line non-key telephone sets and ancillary devices	RJ25C	7.47

[1] Not available in IA, MN, NE, ND and SD.

[2] This jack is normally used in association with a series jack.

**13. MISCELLANEOUS SERVICES**

**13.6 STANDARD JACKS - REGISTRATION PROGRAM**

**13.6.2 RATES AND CHARGES**

**A. Voice Jacks (Cont'd)**

2. 50-Position Miniature Ribbon for connection of multiline terminating equipment and channel derivation devices as follows:

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• For connection to 2-wire tie trunks E&M type I signaling - 12-line capacity	RJ2EX	\$57.95
• For connection to 4-wire tie trunks E&M type I signaling - 8-line capacity	RJ2GX	57.95
• For connection to 2-wire tie trunks E&M type II signaling - 8-line capacity	RJ2FX	57.95
• For connection to 4-wire tie trunks E&M type II signaling - 13-line capacity	RJ2HX	57.95
• For connection to off-premises station lines - 25-line capacity	RJ21X	49.25
• For use with series devices such as toll restrictors - 12-line capacity	RJ71C	94.38
• For connection of up to 12-line bridged 4-wire exchange 2/RT, T1/R1	RJ2DX	57.95

**13. MISCELLANEOUS SERVICES**

**13.6 STANDARD JACKS - REGISTRATION PROGRAM**

**13.6.2 RATES AND CHARGES**

**A. Voice Jacks (Cont'd)**

**3. Series Jacks for connection of terminal equipment:**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Single-line alarm reporting devices	RJ31X	\$23.28
• Series ancillary devices such as automatic dialers - single-line sets with exclusion	RJ32X	22.31
• Two-line telephone sets with exclusion on one line	RJ37X	22.31
4. Weatherproof Jack for use with single-line telephone sets used at locations such as boats and marinas	RJ15C	38.73

**B. Data Jacks**

1. Universal Data Jack for use in connecting fixed loss loop (FLL) and programmed (P) types of data equipment – one- line capacity	RJ41S	34.84
2. Programmed Data Jack for use in connecting programmed data equipment – one-line capacity	RJ45S	38.51



**13. MISCELLANEOUS SERVICES**

**13.6 STANDARD JACKS - REGISTRATION PROGRAM**

**13.6.2 RATES AND CHARGES**

**B. Data Jacks (Cont'd)**

**3. Multiple-Line Universal Data Jack and Associated Equipment**

The Multiple-Line Universal Data Jack is for use in connecting fixed loss loop (FLL) and programmed (P) types of data equipment. This jack will terminate up to eight lines. The selection of the RJ26X jack requires the use of the other equipment listed, following:

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Multiple-Line Universal Data Jack	RJ26X	\$289.82
- Multiple-Line Universal Data Jack Circuit Cards - one circuit card per circuit required	RJ26S	27.67
- Multiple-Line Universal Data Jack Mounting options - one required per RJ26X		
- Wall Mounting with cover[1]	RJM3X	33.06
- Rack Mounting, 19 inch or 23 inch	RJM4X	28.14

[1] Not available in IA, MN, NE, ND and SD.

**13. MISCELLANEOUS SERVICES**

**13.6 STANDARD JACKS - REGISTRATION PROGRAM**

**13.6.2 RATES AND CHARGES**

**B. Data Jacks (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
4. Miniature Modular eight-position data jack		
• Universal one or two line digital bridged tip and ring – 8-position	RJ48C	\$21.01
• Universal single line digital series tip and ring – 8-position	RJ48X	21.32
• Series single line bridged tip and ring arrangement equipped with a continuity circuit – 8-position	RJ48S	19.93
• Miniature modular keyed jack – 8-position	JM8	21.01
5. Miniature Modular 50-position data jack		
• Universal multiple line bridged tip and ring	RJ48T	49.25
• Universal multiple line digital bridged tip and ring	RJ48M	49.25
• Universal multiple line digital ribbon jack, provides cable shield integrity	RJ48H	49.25

### **13. MISCELLANEOUS SERVICES**

#### **13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

##### **13.7.1 SPECIAL HIGH VOLTAGE PROTECTIVE APPARATUS**

If Switched and/or Private Line Transport Service, as set forth in Sections 6 and 7, respectively, terminates in a high voltage environment, such as an electric power station, Special High Voltage Protective Apparatus may be required as set forth, following.

This service is grandfathered and is limited to existing facilities in service on September 12, 1994.

#### **A. General**

1. Company facilities which provide service to a customer's electric power generating, switching, or distribution station may require the use of Special High Voltage Protective Apparatus such as isolation or neutralization devices, mutual drainage transformers, etc. They are located on the Company side of the Point of Termination to protect against the effects of Ground Potential Rise (GPR) and induction caused by faults in a customer's electric power system.

The special protection is intended to:

- Minimize electrical hazards to personnel,
- Prevent electrical damage to telecommunications equipment and facilities, and
- Provide the required continuity of telecommunications transmission at times of power system faults.

The customer shall be responsible for advising the Company, at the time a service is ordered, of the expected fault-produced electrical environment at the power station so that special protection requirements can be determined.

### **13. MISCELLANEOUS SERVICES**

#### **13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

##### **13.7.1 SPECIAL HIGH VOLTAGE PROTECTIVE APPARATUS**

###### **A. General (Cont'd)**

2. Special High Voltage Protective Apparatus is required on Company facilities at the power station premises under either of the following conditions:
  - a. When the fault-produced GPR and/or induction at the power station is 1000 volts peak asymmetrical or greater; or
  - b. When the fault-produced GPR and/or induction at the power station is 300 volts peak or greater, and at least 1 telecommunication service in the serving Company facility has been identified by a customer as having a requirement for uninterrupted service performance at times of power system faults.
3. When the conditions in 2.b., preceding, are applicable, mutual drainage transformers are required for noise reduction purposes on the serving facilities at the Company wire center and at any intermediate (remote drainage) locations.
4. The Company will provide the required Special High Voltage Protective Apparatus in accordance with IEEE Standard 4871980 at the rates and charges, following.
5. The Company shall be allowed to inspect, at annual intervals, any Special High Voltage Protective Apparatus provided by other than the Company to determine that the special protection installation continues to remain intact and fully effective.
6. In making this offering, it is understood that the customer that orders Special High Voltage Protective Apparatus may not necessarily be the same customer that orders the Switched and/or Private Line Transport Service with which such apparatus will be associated.

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.1 SPECIAL HIGH VOLTAGE PROTECTIVE APPARATUS (Cont'd)**

**B. Rates and Charges**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Neutralizing transformers for High Ground Potential at customer's premises			
- Equipment rated at 2000 volts, per unit[1]	PP2	\$260.00	\$48.00
- Equipment rated at 4000 volts, per unit[2]	PQ2	271.00	48.45

[1] Was not available in ID (Spokane LATA) and WA.

[2] Was not available in ID (Spokane LATA).

### **13. MISCELLANEOUS SERVICES**

#### **13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS (Cont'd)**

##### **13.7.2 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS**

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

1. High Voltage Protection (HVP), as specified herein, does not apply to services provided on fiber optic facilities.
2. Company services provided on facilities that extend into a high voltage environment require high voltage protection whenever hazardous voltages of 1000V peak-asymmetrical or greater appear on those facilities due to Ground Potential Rise (GPR) and/or induction caused by faults in electric power system(s) located on the customer's premises. High voltage environments are electric power generating, switching and distributing locations. The high voltage protection is designed to isolate or neutralize the hazardous voltages.

The protection objectives on Company services and facilities at these locations are as follows:

- To minimize electrical hazards to personnel engaged in construction, operation, maintenance and use of telecommunications service.
  - To limit electrical damage to telecommunications equipment, cable and wire facilities.
  - To provide the required service continuity and integrity of telecommunications transmission as specified by the customer.
3. High voltage protection is required at the customer's premises, and may be required at the Company CO, whenever the fault-produced GPR/induction equals or exceeds 1000V peak-asymmetrical.

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.2 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (Cont'd)**

**B. Responsibility of the Customer**

A customer whose Company services are provided on facilities that extend to a high voltage environment where high voltage protection is required must meet the requirements specified in Qwest Corporation Technical Publication PUB 77321.

**C. Responsibility of the Company**

1. The Company, working in conjunction with the customer, shall determine the proper methods of protection required to achieve the objectives set forth in A., preceding. The method of protection for every service in a cable shall be coordinated by the Company to be compatible with the protection provided for the most critically important service in that cable.
2. As metallic facilities are in continually decreasing supply, the Company is not obligated to continue to make such facilities available, as specified in 2.1.7. For High Voltage Protection, metallic facilities are offered only where existing facilities and operating conditions permit.

### **13. MISCELLANEOUS SERVICES**

#### **13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

##### **13.7.2 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (Cont'd)**

###### **D. Protection Service Types**

Protection services which the Company offers are identified according to the following types:

- Type 1

Services requiring either dc transmission or ac and dc transmission used for Voice Grade Private Line Transport Service. Type 1 four-wire metallic is limited to a maximum ground potential rise of 4.0 KV RMS-11 volt seconds.

- Type 3

Private Line Transport Service requiring ac Voice Grade, DDS and DS1 transmission, used for telemetering, supervisory control, data, etc.

- Type 4

Private Line Transport Service requiring ac Voice Grade and DDS transmission only, used for audio tone protective relaying.

###### **E. Service Performance Objective Classification**

1. Interruptions or outages of telecommunications circuits serving electric power substations may occur for physical reasons such as cable damage due to extraordinarily heavy storm loading, a vehicle striking and breaking a utility pole, a cable cut, a lightning strike, or acts of God. Circuit failures caused by such events cannot be prevented and the Company expressly states that provision of the service provided in this section cannot preclude such service outages as may occur due to the above mentioned circumstances.
2. Interruptions or outages due to the effects (Ground Potential Rise and/or induction) of faults in the customer's power generating, transmission and/or distribution systems are minimized through the installation and maintenance of high voltage protection service which is designed to operate in a fault-produced electrical environment.



### **13. MISCELLANEOUS SERVICES**

#### **13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

##### **13.7.2 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS**

###### **E. Service Performance Objective Classification (Cont'd)**

3. Because of the customer's need for service continuity during power system faults on some types of telecommunications services provided to power stations, the following system of Service Performance Objective Classifications has been established. The Service Performance Objective Classifications permit the customer to specify the performance objectives for most types of telecommunications services provided to power stations.

###### **a. Class A**

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

###### **b. Class B**

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

###### **F. Provision of High Voltage Protection Service**

1. The Company or the customer may provide the high voltage protection.
2. At the customer's request, the Company shall provide any required high voltage protection at the customer's premises and, if necessary, at the Company's CO at rates and charges as set forth, following. The Company will inspect and verify the protection when service is established at new or existing customer locations, and at future times as deemed necessary during changes, rearrangements or maintenance.

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.2 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS**

**F. Provision of High Voltage Protection Service (Cont'd)**

3. If the customer elects to provide the required HVP, the equipment used must meet the technical requirements specified in Qwest Corporation Technical Publications PUB 77321.
4. When DS1 Service, provided over metallic facilities, is connected to customer-provided optical HVP equipment, the Company will provide upon request, DS1 span power from the CO to the CPE electrical-to-optical converter, at the point of termination. The rates and charges are specified in G., following.
5. If the customer elects to select, install, use and maintain its own HVP, the customer does so with the understanding that it is solely responsible for any interruption of Company service associated with its selection, installation, use or maintenance of the HVP. Furthermore, the customer, its successors and assigns, agree to indemnify and hold the Company and its Subsidiaries and their employees, officers, directors and agents harmless from all loss, liabilities, costs and expenses, including attorneys' fees and all cost of defense and settlement, resulting from interruption of service, damage to Company property, claims, demands, suits or actions of any nature whatsoever ("Proceedings"), arising from the failure of the HVP selected, installed, used or maintained by the customer.
6. The Company reserves the right to suspend any service without adequate high voltage protection until adequate protection is provided.

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.2 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS (Cont'd)**

**G. Rates and Charges**

These rates and charges are in addition to the Private Line Transport Service rates and charges specified in Section 7.

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Type 1 Class B Service, per service terminated and treated with HVP at a service location			
- Two-wire	HVC	\$145.00	\$38.00
- Four-wire metallic	HVA	181.00	54.00
- Four-wire non-metallic	HVD	181.00	54.00
• Type 3 Class A Service, per service terminated and treated with HVP at a service location			
- Two-wire	HVF	227.50	36.00
- Four-wire	HVG	348.00	73.00

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.2 PROTECTION SERVICE FOR HIGH VOLTAGE ENVIRONMENTS**

**G. Rates and Charges (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Type 3 Class B Service, per service terminated and treated with HVP at a service location			
- Two-wire	HVH	\$145.00	\$27.00
- Four-wire	HVJ	181.00	54.00
• Type 4 Class A Service, per service terminated and treated with HVP at a service location			
- Two-wire	HVK	227.50	36.00
- Four-wire	HVL	348.00	72.00
• DS1 Span Power, per termination in CPE Optical HVP equipment	VPQSP	—	28.00

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS (Cont'd)**

**13.7.3 OTHER PROTECTIVE CONNECTING ARRANGEMENTS**

**A. General**

The following Protective Connecting Arrangements (PCAs) are grandfathered and are offered subject to on-the-shelf availability.

**B. Rates and Charges**

**1. AZ, CO, ID(Boise LATA), MT, NM, UT, WY**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>Automatic PCA with a contact type signaling interface for 2- or 4-wire Voice Grade connections of CPE Communications Systems to Company Private Line Transport Services.</li></ul>	CDQ	—	\$5.71
<ul style="list-style-type: none"><li>Automatic PCA for connection of a customer, authorized user or joint user provided communications system arranged for CPE dial or automatic channel signaling, to a Company Private Line Transport Service.</li></ul>	C234W	\$85.09	9.86
<ul style="list-style-type: none"><li>PCA which provides for connection of CPE automatic telephone answering devices to Company Access Services by means of a 2-wire interface.</li></ul>	PA6++	ICB	ICB

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.3 OTHER PROTECTIVE CONNECTING ARRANGEMENTS**

B.1. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>• PCA for connection of CPE answering or recording equipment to Company Access Services, for one-way voice transmission in each direction but not simultaneously. Recording of two-way conversations is prevented by the PCA.</li></ul>	RDL	\$30.02	\$5.27
<ul style="list-style-type: none"><li>• PCA for use with CPE answer only equipment where two-way transmission is required.</li></ul>	PFZ++	ICB	ICB
<ul style="list-style-type: none"><li>• Same application as PFZ++ with voice control disconnect and automatic receive volume limiting</li></ul>	PF9++	ICB	ICB
<ul style="list-style-type: none"><li>• PCA for use with CPE to provide data on PBX trunks. Also requires standard PBX trunk PCA.</li></ul>	PGA++	ICB	ICB

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**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.3 OTHER PROTECTIVE CONNECTING ARRANGEMENTS**

B.1. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>• PCA to permit connection of CPE message registers to Company Switched Access Service for indications of message registration for outgoing calls over the associated central office trunks.</li></ul>	PGB++	ICB	ICB
<ul style="list-style-type: none"><li>• Alarm coupler for use with rotary dial, one-way transmission CPE alarm signaling device.</li></ul>	PGH++	ICB	ICB
<ul style="list-style-type: none"><li>• PCA to permit the connection of CPE to Company Switched Access Service arranged for 2-way service, i.e., outward dialing by hotel/motel guests and rering by the operator of the IC long distance switchboard (the equivalent of a toll terminal).</li></ul>	PDA++	ICB	ICB

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.3 OTHER PROTECTIVE CONNECTING ARRANGEMENTS**

B.1. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>• For termination of CPE tie lines, with CPE channel signaling in Centrex systems 4-wire.</li></ul>	C2H	\$21.09	\$7.03
<ul style="list-style-type: none"><li>• PCA used for automatic connection of CPE voice transmitting and/or receiving terminal equipment to Company Switched Access Service.</li></ul>	C2ACP	7.62	9.18
<ul style="list-style-type: none"><li>• PCA to provide for connection of CPE terminal equipment to Company Switched Access Service via 3-wire interface.</li></ul>	PDJ++	ICB	ICB
<ul style="list-style-type: none"><li>• PCA for connection of CPE voice communications systems and/or terminal equipment via 2-wire interface to Company Switched Access Service (only loop start trunks not equipped for toll diversion).</li></ul>	PDK++	ICB	ICB

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**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.3 OTHER PROTECTIVE CONNECTING ARRANGEMENTS**

B.1. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>Manual PCA used to connect switchboard position of a CPE system, which provides supervisory signals, to Company Switched Access Service.</li></ul>	PDQ++	ICB	ICB
<ul style="list-style-type: none"><li>Automatic PCA used to connect Company Switched Access Service arranged for two-way combination service to and from the attendant position and from the dial switching equipment of a CPE system.</li></ul>	CDH	\$38.13	\$10.20
<ul style="list-style-type: none"><li>Automatic PCA used to connect Company Switched Access Service arranged for one-way incoming service to the attendant position of a CPE system.</li></ul>	PDV++	ICB	ICB

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.3 PROTECTIVE CONNECTING ARRANGEMENTS**

B.1. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>Automatic PCA used to connect Company Switched Access Service arranged for one-way outgoing service from the attendant position of a CPE system.</li></ul>	PDZ++	ICB	ICB
<ul style="list-style-type: none"><li>Automatic PCA used to connect Company Switched Access Service arranged for one-way outgoing service from the dial switching equipment of a CPE system.</li></ul>	PFA++	ICB	ICB
<ul style="list-style-type: none"><li>Automatic PCA used to connect Company Switched Access Service arranged for two-way service to and from the attendant position of a CPE system.</li></ul>	CD9	ICB	ICB

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**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.3 PROTECTIVE CONNECTING ARRANGEMENTS**

B.1. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>• PCA used for automatic connection of CPE voice transmitting and/or receiving terminal equipment bridged to Company Switched Access Service.</li></ul>	C2AKS	ICB	ICB
<ul style="list-style-type: none"><li>• Automatic PCA used to connect Company Switched Access Service arranged for one-way service, i.e., outward dialing by hotel/motel guests to the operator position (the equivalent of a toll terminal).</li></ul>	PFV++	ICB	ICB
<ul style="list-style-type: none"><li>• PCA to provide for connection of CPE originate only or originate and answer terminal equipment.</li></ul>	PFW++	ICB	ICB

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.3 PROTECTIVE CONNECTING ARRANGEMENTS**

**B. Rates and Charges (Cont'd)**

**2. ID (Spokane LATA), OR, WA**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>Automatic PCA with a contact type signaling interface for 2- or 4-wire Voice Grade connections of CPE Communications Systems to Company Private Line Transport Services.</li></ul>	CDQ	\$310.22	\$9.35
<ul style="list-style-type: none"><li>Automatic PCA for connection of a customer, authorized user or joint user provided communications system arranged for CPE dial or automatic channel signaling, to a Company Private Line Transport Service.</li></ul>	C234W	231.21	8.91

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.3 PROTECTIVE CONNECTING ARRANGEMENTS**

B.2. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>• PCA to permit connection of CPE message registers to Company Switched Access Service for indications of message registration for outgoing calls over the associated central office trunks.</li></ul>	PGB++	\$58.40	\$8.42
<ul style="list-style-type: none"><li>• PCA to permit the connection of CPE to Company Switched Access Service arranged for 2-way service, i.e., outward dialing by hotel/motel guests and rering by the operator of the IC long distance switchboard (the equivalent of a toll terminal).</li></ul>	PDA++	51.63	3.47

**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.3 PROTECTIVE CONNECTING ARRANGEMENTS**

B.2. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>• PCA for connection of CPE voice communications systems and/or terminal equipment via 2-wire interface to Company Switched Access Service (only loop start trunks not equipped for toll diversion).</li></ul>	PDK++	\$ 51.63	\$1.24
<ul style="list-style-type: none"><li>• Automatic PCA used to connect Company Switched Access Service arranged for two-way combination service to and from the attendant position and from the dial switching equipment of a CPE system.</li></ul>	CDH	231.21	2.51
<ul style="list-style-type: none"><li>• Automatic PCA used to connect Company Switched Access Service arranged for one-way incoming service to the attendant position of a CPE system.</li></ul>	PDV++	231.21	2.51

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**13. MISCELLANEOUS SERVICES**

**13.7 MISCELLANEOUS PROTECTIVE EQUIPMENT AND ARRANGEMENTS**

**13.7.3 PROTECTIVE CONNECTING ARRANGEMENTS**

B.2. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
<ul style="list-style-type: none"><li>Automatic PCA used to connect Company Switched Access Service arranged for one-way outgoing service from the attendant position of a CPE system.</li></ul>	PDZ++	\$231.21	\$2.51
<ul style="list-style-type: none"><li>Automatic PCA used to connect Company Switched Access Service arranged for one-way outgoing service from the dial switching equipment of a CPE system.</li></ul>	PFA++	231.21	2.51
<ul style="list-style-type: none"><li>Automatic PCA used to connect Company Switched Access Service arranged for two-way service to and from the attendant position of a CPE system.</li></ul>	CD9	231.21	2.51
<ul style="list-style-type: none"><li>Automatic PCA used to connect Company Switched Access Service arranged for one-way service, i.e., outward dialing by hotel/motel guests to the operator position (the equivalent of a toll terminal).</li></ul>	PFV++	231.21	2.51

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**13. MISCELLANEOUS SERVICES**

**13.8 OPEN NETWORK ARCHITECTURE GENERIC NAMES**

The following list of Qwest Corporation designated Open Network Architecture (ONA) Basic Service Elements (BSEs) identifies the generic equivalent name for each of the BSEs from Telcordia's ONA Service User Guide, dated July 31, 1991.

<b>GENERIC</b>	<b>QWEST CORPORATION</b>
Call Detail Recording Traffic Data Reports	Access Services Billing Info. Traffic Data Report Service



### **13. MISCELLANEOUS SERVICES**

#### **13.9 BILLING NAME AND ADDRESS (BNA) SERVICE**

##### **13.9.1 GENERAL DESCRIPTION**

Billing Name and Address (BNA) Service provides interstate telecommunications service providers (i.e., interexchange carriers, operator service providers, enhanced service providers and any other provider of interstate telecommunications services) the billing name and address when a calling party uses a Company calling card, dials 101XXXX or authorizes collect and/or third party calls to pay for telecommunication services. BNA Service enables interstate telecommunications service providers to seek payment of their telecommunication services directly from the calling party.

(C-x)

##### **13.9.2 REGULATIONS**

BNA information is to be used by an interstate telecommunications service provider and/or its authorized billing and collection agent exclusively for billing the calling party for telecommunication services and collecting the amounts due.

The Company will notify all new telephone service subscribers of the potential disclosure of their BNA information to interstate telecommunications service providers. If a telephone service subscriber requests not to have their BNA information disclosed to interstate telecommunications service providers with respect to calling card, third party or collect calls, the Company will not disclose such information.

(C-x)

- (x) Issued under authority of Special Permission No. 01-103 to reinstate currently effective material.

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### 13.9.3 PROVISIONS

$$\begin{array}{c} (\text{C-X}) \\ | \\ (\text{C-X}) \end{array}$$
$$\begin{array}{c} \text{(C-x)} \\ | \\ \text{(C-x)} \end{array}$$

1801 California Street, Denver, Colorado 80202

### **13. MISCELLANEOUS SERVICES**

#### **13.9 BILLING NAME AND ADDRESS (BNA) SERVICE**

##### **13.9.3 PROVISIONS (Cont'd)**

###### **B. Manual Request**

BNA Service may be requested via a customer initiated written request (i.e., U.S. mail or facsimile) or via a telephone call to a designated Company office.

(C-x)

Interstate telecommunications service providers are assigned an identification number by the Company that provides each interstate telecommunications service provider secure access to request and receive BNA Service records.

Interstate telecommunications service providers may elect to receive their requested BNA information in a magnetic tape, electronic data transmission, on-line viewing, standard paper report, return facsimile or a voice response format. Based on the customer's selected format, the following maximum volumes apply per Carrier Identification Code (CIC) request:

- Twenty-five thousand BNA records per day, per RSS batch output, for magnetic tape or electronic data transmission.
- Zero volume limitations apply on immediate response via on-line viewing.
- Five BNA records per telephone call to the Company's designated office.
- One hundred BNA records per day, per written request, or facsimile with a response provided within five business days.

(C-x)

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**13. MISCELLANEOUS SERVICES**

**13.9 BILLING NAME AND ADDRESS (BNA) SERVICE (Cont'd)**

**13.9.4 DESCRIPTION AND APPLICATION OF RATES AND CHARGES**

The interstate telecommunications service provider is assessed per record rate for each BNA record requested. This rate is billed to the interstate telecommunications service provider on a monthly basis. The BNA per record rate applies regardless of the customer's ability to bill or collect the amount due from the calling party for telecommunication services provided. No nonrecurring charges apply for BNA Service.

**13.9.5 RATES AND CHARGES**

	<b>PER RECORD</b>	
• Mechanized Request, per BNA record	\$0.49	(T-x)
• Manual Request		(C-x)
- Per BNA record via written request	0.57	
- Per BNA record via voice request	0.94	(C-x)

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### **13. MISCELLANEOUS SERVICES**

#### **13.10 ACCESS SERVICE BILLING INFORMATION - BSE**

##### **13.10.1 ACCESS SERVICE BILLING PRIMARY COPY**

The customer shall receive its primary access service monthly bills and Customer Service Records (CSRs) in a standard paper format at no charge.

At the option of the customer, primary access service monthly bills and CSRs may be requested on magnetic tape reel, floppy diskette or transmitted by electronic data transmission to the customer's premises, in lieu of the standard paper format at no charge. When a customer selects a primary billing copy in lieu of the standard paper format, the customer will receive an abbreviated bill in paper format for remittance purposes at no charge. The abbreviated bill will conform with industry standard billing data output.

Upon Company acceptance of an order for electronic data transmission, the Company will determine the period of time to implement the transmission of such material on an individual order basis.

### **13. MISCELLANEOUS SERVICES**

#### **13.10 ACCESS SERVICE BILLING INFORMATION – BSE (Cont'd)**

##### **13.10.2 ACCESS SERVICE BILLING OPTIONS**

###### **A. On-line Billing Service- Nonchargeable Option**

On-line Billing Service (OBS) provides a customer on-line access to view its designated Billing Account Number (BAN) media (i.e., monthly bills and/or CSRs) in the Company OBS data base via a customer-provided personal computer or terminal utilizing customer-provided communications software package capable of VT100 emulation.

Individual User identification Number(s) and Personal Identification Number(s) are assigned by the Company and provide the customer a secure log on to view its billing media. Customers reach the OBS data base by dialing a telephone number for the OBS modem pool. In the event of a log on rejection, the Company system administrator must be contacted. The system administrator will provide customer assistance in resolving the log on failure.

BAN media for the last eleven months is available for viewing. BAN media can be viewed between the hours of 6 a.m. to 6 p.m. Central Time, Monday through Friday, excluding holidays.

OBS is a nonchargeable additional access bill format and is not available as the primary bill format.

### **13. MISCELLANEOUS SERVICES**

#### **13.10 ACCESS SERVICE BILLING INFORMATION – BSE**

##### **13.10.2 ACCESS SERVICE BILLING OPTIONS (Cont'd)**

#### **B. Chargeable Options**

Additional copies of the customer's monthly bill and/or CSR may be provided in a standard paper, microfiche, magnetic tape reel, magnetic tape cartridge or floppy diskette format for an additional charge.

##### **1. Standard Paper**

Customers requesting additional copies of monthly bills and/or CSRs in a standard paper format are assessed a per request charge for each bill and/or each CSR requested and a per page charge.

##### **2. Microfiche**

Customers requesting additional copies of monthly bills and/or CSRs in a microfiche format are assessed a per set charge for each bill set and/or each CSR set and a per microfiche sheet charge.

##### **3. Magnetic Tape Reel or Cartridge**

Customers requesting additional copies of monthly bills and/or CSRs in a magnetic tape reel or cartridge format are assessed a per reel or per cartridge charge. Only one type of magnetic tape (i.e., reel or cartridge) will be provided per request.

##### **4. Floppy Diskette**

At the option of the customer, floppy diskettes are provided in either a 3.5" or 5.25" double sided, high density diskette format. The data on the diskette is formatted using standards determined by the Company. Customers requesting additional copies of monthly bills and/or CSRs in a floppy diskette format are assessed a per set charge for each bill set and/or each CSR set requested.

**13. MISCELLANEOUS SERVICES**

**13.10 ACCESS SERVICE BILLING INFORMATION – BSE (Cont'd)**

**13.10.3 RATES AND CHARGES**

	<b>RATE</b>
• Paper	
- Each bill and/or each CSR request	\$19.53
- + per page	0.01
• Microfiche	
- Each bill set and/or each CSR set request	39.67
- + per microfiche sheet	0.25
• Magnetic Tape Reel	
- Each reel request	39.88
• Magnetic Tape Cartridge	
- Each cartridge request	25.99
• Floppy Diskette	
- Each bill set and/or each CSR set request	23.87



### **13. MISCELLANEOUS SERVICES**

#### **13.11 TANDEM SERVICE PROVIDER BILL DATA ARRANGEMENTS**

##### **13.11.1 GENERAL DESCRIPTION AND TERMS**

The Company shall establish a bill data arrangement for a Tandem Service Provider (TSP) when they request the Company to bill CST3 or FGD terminating usage and nonrecurring charges to the TSP's IC customer.

The Company shall provide the TSP's customer with an Access Service bill and customer service record using standards determined by the Company. The IC customer will be billed for all recurring usage rate elements associated with the terminating usage from the TSP's bill data exchange.

The Company, in order to safeguard its interests, will require the TSP and the TSP's customer to comply with the provisions of this Tariff.

##### **13.11.2 TERMINATING USAGE EXCHANGE FROM THE TSP TO THE COMPANY**

Terminating CST3 or FGD data from the TSP to the Company shall be exchanged by billing tape or electronic data transfer using standards determined by the Company to be compatible with the Company's bill processing system(s). The bill data received by the Company must be formatted using the Exchange Message Interface (EMI) format as delineated in Technical Reference SR-320.

The TSP is responsible for ensuring accurate and complete terminating call detail records, by IC carrier identification code, are provided to the Company on a daily basis. The TSP will send the bill data sequentially numbered to the Company-designated processing center. The bill data will be processed by the Company in sequential order. The Company will notify the customer when the bill data is not received in sequential order and/or if the bill data can not be processed.

### **13. MISCELLANEOUS SERVICES**

#### **13.11 TANDEM SERVICE PROVIDER BILL DATA ARRANGEMENTS**

##### **13.11.2 TERMINATING USAGE EXCHANGE FROM THE TSP TO THE COMPANY (Cont'd)**

The Company will work cooperatively with the customer to ensure accurate and timely bill data is received within seven calendar days of the call record date. The Company reserves the right to bill the Company-recorded terminating usage directly to the TSP when the TSP is unable to provide accurate and timely billing data to the Company. The Company will bill the Company-recorded terminating usage directly to the TSP for those call record dates not received and/or processed, by end office, on a monthly bill processing basis.

##### **13.11.3 BILL DATA ARRANGEMENT DISPUTE AND AUDIT PROCEDURES**

In the event of a terminating CST3 or FGD usage billing dispute, the TSP's customer must submit a documented claim to the TSP. In the event the TSP needs the Company to assist in the resolution of the billing dispute, the TSP must submit to the Company a documented claim by end office per IC billing account number. The Company will work cooperatively with the TSP to resolve the claim in accordance with 2.4.1, preceding.

The TSP must retain call detail records submitted to the Company for fifteen months (15) after submission of the bill data to the Company. The Company reserves the right to audit the bill data information upon written notification to the TSP. If the Company requests to audit the TSP's bill data records, the Company will mutually negotiate the audit procedures and responsible party(ies) for payment of audit expenses with the customer.

### **13. MISCELLANEOUS SERVICES**

#### **13.12 TRAFFIC DATA REPORT SERVICE (TDRS) - BSE**

##### **13.12.1 GENERAL DESCRIPTION**

Traffic Data Report Service (TDRS) provides customers a summary of their traffic data on certain network facilities, e.g., individual access lines, multiline hunt groups and trunk groups. Reports are available on a one-week, a one-month or on an ongoing basis with Circuit Switched Lineside Access, Circuit Switched Trunkside Access, and unbundled *DID* Switched Access Service.

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##### **13.12.2 DEFINITIONS**

###### Overflow (Attempt Failures)

Provides a count of the number of times incoming calls attempted to reach an access line or group but found all lines busy.

###### Peg Count

Provides a count of all calls to an access line or group. In certain central offices and on certain facilities, specific peg count reports are available for abandon, attempt, delay, in-only, out-only, etc.

###### Usage

Provides the measurement of usage, expressed in CCS (hundred call seconds), that a facility was in use.

### **13. MISCELLANEOUS SERVICES**

#### **13.12 TRAFFIC DATA REPORT SERVICE (TDRS) – BSE (Cont'd)**

##### **13.12.3 REGULATIONS**

- A. TDRS is available where central office facilities permit. Data included in each TDRS study, i.e., overflow, peg count and usage, is contingent upon the facility or feature being studied and upon the type of central office switch.
- B. Weekly reports begin on Sunday and end on the following Saturday. The customer specifies the hours and consecutive days to be included in each report.
- C. The data provided in TDRS will be not less than 90 percent complete. Studies that are less than 90 percent complete will be treated as follows:
  - 1. One Week Reports
    - Customer Accepts Incomplete Report
      - Issue credit adjustment, per 13.12.4, following.
    - Customer Does Not Accept Incomplete Weekly Report
      - Reschedule another week at no additional charge, or
      - Adjust customer bill; no charge for report.
  - 2. One Month and Ongoing Reports
    - Customer Accepts Incomplete Weekly Report
      - Issue credit adjustment, per 13.12.4, following.
    - Customer Does Not Accept Incomplete Weekly Report
      - Reschedule another week at no additional charge, or
      - Adjust customer bill for incomplete week.
- D. Terms and conditions, specified in 1. and 2., above, constitute the customer's sole recourse for incomplete reports.

**13. MISCELLANEOUS SERVICES**

**13.12 TRAFFIC DATA REPORT SERVICE (TDRS) – BSE**

**13.12.3 REGULATIONS (Cont'd)**

- E. Ongoing and monthly reports are produced on a weekly basis.
- F. Monthly reports contain a minimum of four weeks (consecutive) of data.
- G. The minimum service period (billing) for TDRS is as follows:

<b>REPORT DURATION</b>	<b>MINIMUM SERVICE PERIOD</b>
One week	One week
One month	One month
Ongoing	Two months

**13.12.4 RATES AND CHARGES**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Service Establishment Charge, per account, per facility	TFDO1	\$ 41.04	–
• TDRS Study, per facility			
- One Week	TFPAW	156.23	–
- One Month	TFPAM	270.57	–
- Ongoing	TFPAO	122.49	\$9.77
		<b>CREDIT ADJUSTMENT</b>	
• Credit adjustment applicable when a customer accepts a less than 90 percent complete weekly report, each facility study			
- One Week		(\$30.00)	
- One Month		(15.00)	
- Ongoing		(10.00)	

### **13. MISCELLANEOUS SERVICES**

#### **13.13 PEAK DAY REROUTING**

##### **13.13.1 GENERAL DESCRIPTION**

Peak Day Rerouting allows CST1, CST3, Feature Group B or Feature Group D customers the capability of completing terminating overflow traffic on specific peak calling days, which will be limited to Mother's Day, Father's Day, Thanksgiving and Christmas. The Company will provide alternate completion routes for terminating calls where facilities exist. The Company will work cooperatively with the customer to jointly plan in advance of peak day(s) the use of controls for the purpose of enhancing call completions.

##### **13.13.2 REGULATIONS**

- A. The customer must notify the Company 60 days in advance of the peak day.
- B. The customer must have existing direct trunks between the customer's premises and the end office(s) designated by the Company as tandems for Peak Day Rerouting. The Company will provide the customer a list of end offices and NXXs that may be used for each Peak Day. The customer must also have existing direct trunks between the customer's premises and the terminating end office.
- C. The Company will work cooperatively with the customer to jointly plan implementation procedures including activation and deactivation time frames. A single point of contact in the Network Management Centers for the customer and the Company shall be established during the implementation meeting.

**13. MISCELLANEOUS SERVICES**

**13.13 PEAK DAY REROUTING**

**13.13.2 REGULATIONS (Cont'd)**

- D. The Company will work cooperatively with the customer to negotiate testing procedures. The Company and the customer shall mutually agree upon date, time and notification procedures for testing.
- E. If the customer has the optional feature, Self Healing Alternate Route Protection, for a particular trunk(s), the protection will not be available on the alternate completion routes.
- F. The customer shall remove or reduce the percentage of terminating traffic on the alternate route(s) immediately upon request by the Company on the actual Peak Day.
- G. All appropriate Switched Access usage rates and regulations as set forth in Section 6 apply.
- H. Nonrecurring charges will not apply to establish Peak Day Rerouting.

### **13. MISCELLANEOUS SERVICES**

#### **13.14 TELECOMMUNICATIONS RELAY PROVIDER SERVICE**

##### **13.14.1 GENERAL DESCRIPTION**

The Company shall allow Telecommunications Relay Service (TRS) providers to order one-way originating CST3 or FGD Service as set forth in 6.2.4 and 6.2.6, preceding, from the TRS Provider's designated premises to the Company's serving wire center for the purpose of processing a functionally equivalent 101XXXX call detail record and voice transmission call from the TRS Provider to the Switched Access Service of a specified Interexchange Carrier (IC).

(C)  
|  
(C)

TRS Providers have specialized equipment and provide communication assistants who relay conversation between individuals who use text telephones and individuals who use traditional telephones. The functionally equivalent 101XXXX call detail record from the TRS Provider is processed and where technically feasible recorded via the Company's designated access tandem. The functionally equivalent 101XXXX call detail record must include the 10-digit calling party's Automatic Number Identification (ANI), the TRS ANIii digits, the 10-digit called number and the specified IC's Carrier Identification Code (CIC).

Once the functionally equivalent 101XXXX originating call is acknowledged by the Company's access tandem switching equipment, the Company shall switch the call to the interstate carrier's DTT for delivery to the IC premises. The traffic is measured as if the traffic were a real-time CST3 or Feature Group D call.

(T)  
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(T)

##### **13.14.2 MEASURING A TRS 101XXXX ACCESS Minute**

(T-M)

In the event the Company's access tandem can not record the functionally equivalent 101XXXX originating access minute, the TRS Provider may be required to submit actual call detail records in a mutually agreed format and within a mutually agreed timeframe to the Company.

(T)  
|  
(M)

Certain material on this page formerly appeared on Page 13.73.



### **13. MISCELLANEOUS SERVICES**

#### **13.14 TELECOMMUNICATIONS RELAY PROVIDER SERVICE (Cont'd)**

##### **13.14.3 DESCRIPTION AND APPLICATION OF RATES AND CHARGES**

The TRS provider shall be assessed Entrance Facility recurring and nonrecurring charges for the facility between the TRS provider's premises and the SWC of the premises. The Local Transport recurring and nonrecurring charges shall be waived for the installation of the CST3 or FGD trunks for the TRS provider.

The IC shall be assessed Entrance Facility recurring and nonrecurring charges for the facility between the IC's premises and the SWC of the premises. The IC is also assessed the DTT recurring charge for the facility between the SWC of the IC and the access tandem.

For originating calls, the IC shall be billed the following rate elements, where feasible, as described in 6.1.2, preceding, in addition to the EF and DTT charges:

- Tandem Transmission from the SWC of the TRS provider to the access tandem,
- Common Transport Multiplexing,
- Tandem Switching,
- Access Tandem Trunk Port, and
- End Office Shared Port.

Since equivalent end office Local Switching functions are provided by the TRS provider, Carrier Common Line charges and Local Switching rate elements, with the exception of End Office Shared Port, are not assessed on originating calls.

Certain material previously found on this page can now be found on Page 13.72.

**13. MISCELLANEOUS SERVICES**

**13.15 INTEREXCHANGE CARRIER SUBSCRIPTION**

(T)

**13.15.1 GENERAL DESCRIPTION**

Interexchange Carrier (IC) Subscription is a procedure whereby an end user or Payphone Service Provider (PSP) may select and designate to the Company an IC to access, without dialing an access code, for interLATA calls. This IC is referred to as the end user's or PSP's primary IC (PIC).

(T)

The IC Subscription procedure applies to Telephone Exchange Service lines and/or trunks, Switched Access Lineside connections, Centrex lines and Public Access Lines (PALs).

(T)

Should a caller wish to use the services of an IC other than the PIC, it is necessary for the caller to dial the necessary access code(s) to reach that IC's service(s).

**13.15.2 PROVISIONS**

- A. IC Subscription is furnished in accordance with the detailed provisions of the Federal Communications Commission's Allocation Plan as set forth in Appendix B of its Memorandum Opinion and Order in CC Docket No. 83-1145, Phase I, adopted May 31, 1985, and released June 12, 1985.

(T)

### **13. MISCELLANEOUS SERVICES**

#### **13.15 INTEREXCHANGE CARRIER SUBSCRIPTION**

(T)

##### **13.15.2 PROVISIONS (Cont'd)**

###### **B. 1+ Sent Paid Access for Smart PAL**

For 1+ sent-paid access traffic from Smart PAL Service, the presubscribed IC may direct the routing of 1+ interstate calls either to itself or a designated carrier as set forth following.

For 1+ interLATA sent-paid access from Smart PALs, the Company shall route 1+ interLATA sent-paid traffic to the presubscribed 0+ Interexchange Carrier. The customer has the following options: 1) to receive both the 0+ and 1+ interLATA calls originated from Company's public pay telephones or 2) to receive the 0+ interLATA traffic and to select one secondary service provider, per LATA, to receive the 1+ interLATA sent-paid traffic or 3) to receive the 0+ interLATA traffic and direct the Company to continue to route the 1+ interLATA sent-paid traffic to the existing 1+ carrier until such time as the 0+ carrier is ready to handle such traffic or select a secondary service provider.

The Company must receive an access service request from the 0+ carrier identifying how to direct the 1+ interLATA sent-paid traffic 90 days prior to the routing of 1+ interLATA sent-paid traffic. If the 0+ carrier selects a secondary service provider for the 1+ interLATA sent-paid traffic, the 0+ carrier must also provide a written authorization for the Company to direct such traffic to the secondary service provider. If the 0+ customer does not submit an access service request on how to route the 1+ interLATA sent-paid traffic, the Company will route such traffic to the existing service provider. Rates and regulations as set forth in this Tariff apply to both the 0+ and 1+ customer.

### **13. MISCELLANEOUS SERVICES**

#### **13.15 INTEREXCHANGE CARRIER SUBSCRIPTION**

##### **13.15.2 PROVISIONS (Cont'd)**

###### **C. Charge Application for IC Subscription Changes**

1. End users or PSPs placing orders for new service shall be asked to select a PIC at the time they place an order with the Company for Telephone Exchange Service, Switched Access Lineside Connection, Centrex Service or PAL Services. The Company will confirm such verbal selection by written notice. There will be no charge for this selection.
2. End users or PSPs that choose or change their PIC within one month of the effective date of their new service shall not be charged for the change.
3. A PIC change nonrecurring charge applies for any change in selection, including a change from one access code to another access code for the same IC except as set forth in 2., above.

The nonrecurring charge for a PIC change is billed to the end user or PSP, except when billed to an IC as set forth in D., following. However, an IC may, at its option, pay the charge for any end user and/or PSP at any time, or as prescribed by the Company, when the IC has specified that the PIC change request is being made as the result of an end user/PSP disputed PIC change reported to the alleged authorized carrier. The nonrecurring charge for a PIC change is set forth in 13.15.3, following.

When an end user's line is changed to PIC NONE at the request of a carrier as set forth in 4.3, preceding, then the nonrecurring charge for a PIC change does not apply.

4. The applicable primary IC change charge as set forth in 13.15.3, following, will be determined based on whether the change is requested through manual or electronic means.
  - A manual change is defined as a change submitted to a customer service representative from an end user request or by a wholesale provider request.
  - An electronic change is defined as a change submitted by an IC to the Company through the Regional Subscription System (RSS) or processed from an electronic source such as a Company-sponsored website, regardless of whether some manual processing is required.

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(N)

### **13. MISCELLANEOUS SERVICES**

#### **13.15 INTEREXCHANGE CARRIER SUBSCRIPTION**

##### **13.15.2 PROVISIONS (Cont'd)**

###### **D. Subscriber Alleged PIC Disputes**

When a subscriber alleges that a PIC change was made without their authorization, the Company shall return the subscriber to their previous PIC at no charge to the subscriber. All PIC change charges assessed by the Company to the subscriber as the result of the alleged unauthorized PIC change shall be credited to the subscriber's service.

Even if no order is received from the alleged unauthorized carrier to switch the customer back to their alleged authorized carrier, the Company will assess two nonrecurring PIC change charges to the alleged unauthorized carrier, one for the initial switch of the subscriber to the alleged unauthorized carrier; the second for the switch from the alleged unauthorized carrier to the alleged authorized carrier as set forth in 13.15.3, following.

If the alleged unauthorized carrier change was due to a Company error, the subscriber will be returned to the alleged authorized carrier free of charge to both the subscriber and the alleged unauthorized carrier.

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**13. MISCELLANEOUS SERVICES**

**13.15 INTEREXCHANGE CARRIER SUBSCRIPTION**

**13.15.2 PROVISIONS (Cont'd)**

**E. Cancellation of Interexchange Carrier Participation for IC Subscription (T)**

If an IC elects to discontinue all of its CST3 or Feature Group D service in an end office, the IC is obligated to do the following:

- Notify the Company of the cancellation of their Feature Group D service, and;
- Contact all end users or PSPs that are presubscribed to the cancelling IC and inform these end users or PSPs of the cancellation and request them to contact the Company to select a new PIC.

The Company shall bill the cancelling IC the service order charge as set forth in 13.15.3.B., following, for each end user or PSP that is currently predesignated to them. (T)

Such charge shall not apply to the cancelling IC where the cancelling IC transfers or assigns its CST3 or Feature Group D services and the associated 101XXXX uniform access code to another IC in such a manner that the Company does not change end user or PSP records or end user and/or PSP PIC designation, or if another IC elects to pay the service order charge on behalf of the cancelling IC.

**F. IC Initiated Conversions for IC Subscription (T)**

When an IC requests that their end user and/or PSP be changed from one access code to another access code on a mass conversion basis, e.g., an IC using two or more PIC designations or an IC assuming ownership of another IC's end users and/or PSPs, charges shall be as set forth in 13.15.3.B., following, apply. (T)

**13. MISCELLANEOUS SERVICES**

**13.15 INTEREXCHANGE CARRIER SUBSCRIPTION (Cont'd)**

**13.15.3 RATES AND CHARGES**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
A. The Charges for a Manual PIC change are as follows:		
• Per Telephone Exchange Service line or trunk	P2AKX	\$5.50
• Per Switched Access Lineside Connection	P2AKX	5.50
• Per Centrex line	P2AKX	5.50
• Per PAL	P2AKX	5.50
B. The charges for an Electronic PIC change are as follows:		
• Per Telephone Exchange Service line or trunk	P2AEX	1.25
• Per Switched Access Lineside Connection	P2AEX	1.25
• Per Centrex line	P2AEX	1.25
• Per PAL	P2AEX	1.25
C. The interLATA charges for a simultaneous interLATA and intraLATA Manual PIC change are as follows:		
• Per Telephone Exchange Service line or trunk	P2APX	2.75
• Per Switched Access Lineside Connection	P2APX	2.75
• Per Centrex line	P2APX	2.75
• Per PAL	P2APX	2.75
D. The interLATA charges for a simultaneous interLATA and intraLATA Electronic PIC change are as follows:		
• Per Telephone Exchange Service line or trunk	P2AOX	.63
• Per Switched Access Lineside Connection	P2AOX	.63
• Per Centrex line	P2AOX	.63
• Per PAL	P2AOX	.63
E. The charges for an IC Initiated Conversion are as follows:		
• Per Telephone Exchange Service line or trunk		.75
• Per Switched Access Lineside Connection		.75
• Per Centrex line		.75
• Per PAL		.75

(x) Issued on not less than one day's notice pursuant to Special Permission No. 05-069.

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1801 California Street, Denver, Colorado 80202

FCC2005-067

**13. MISCELLANEOUS SERVICES**

**13.16 INTERNATIONAL BLOCKING SERVICE**

International Blocking Service provides end office blocking of internationally direct-dialed (i.e., 011+ and 101XXXX-011+) calls where technically feasible in Company end office switching equipment and routes such dialed sequences to a recorded announcement. The Company will, at the customer's option, block 011+ and 101XXXX-011+ international direct-dialed sequences on customer line and/or trunk service(s) offered in the Company's general or local exchange tariffs that are provided to residence and business customers. International Blocking Service is not available for residence customers in the state of MN.

When International Blocking Service is ordered and installed on initial installation of service or existing service, the customer is assessed a nonrecurring charge per customer line and/or trunk service(s).

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Per line or trunk	RBVXC	\$17.00



**13. MISCELLANEOUS SERVICES**

**13.17 900 SERVICE ACCESS RESTRICTION**

900 Service Access Restriction prevents access to the 900 network. When customers dial a 1+900 direct-dialed pay-per-call number from a restricted telephone number, the 900 call is diverted to a Company provided intercept announcement. 900 Service Access Restriction is available where technically feasible.

End users who request 900 Service Access Restriction on a new telephone number within 60 days from receipt of the telephone number shall not be assessed a charge to add 900 Service Access Restriction.

End users who request 900 Service Access Restriction on a telephone number after 60 days from the receipt of the telephone number shall be assessed a nonrecurring charge per telephone number.

Requests by end users to remove 900 Service Access Restriction must be submitted to the Company in writing. No charge is assessed to remove 900 Service Access Restriction.

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>
• Per Telephone Exchange Service telephone number	RTVXW	\$13.50
• Per Switched Access Lineside telephone number	RTVXV	13.50

### **13. MISCELLANEOUS SERVICES**

#### **13.18 BASIC PUBLIC ACCESS LINE (PAL) OPTIONAL FEATURES**

The following optional features are only available for Basic Public Access Line (PAL) Service that is ordered from the Company's general or local exchange tariffs.

##### **13.18.1 ANSWER SUPERVISION - LINESIDE**

This option provides the capability to deliver "off-hook" supervisory signals from the terminating central office switch to a lineside interface at the originating central office switch. These signals indicate when the called station has answered an incoming call. Answer Supervision shall only be provided where technically feasible with Basic PAL Service. Rates are set forth in 13.18.4, following.

##### **13.18.2 FRAUD PROTECTION**

Fraud Protection Service for Basic PAL Service offers three levels of protection: incoming, outgoing and incoming & outgoing as described below.

- Incoming Fraud Protection, or Billed Number Screening (BNS), prohibits collect and/or third number billing calls from being charged to Incoming Fraud Protected numbers. Callers attempting to place a collect or third number billing calls using an Incoming Fraud Protected number for billing will be advised by an operator that such billing is unauthorized and the call will not be completed until other payment or billing arrangements are made.
- Outgoing Fraud Protection restricts outgoing toll calls to only collect, third number billed and calling card.
- Incoming & Outgoing Fraud Protection is a combination of the two aforementioned Fraud Protection Services.

Fraud Protection Service is subject to the availability of facilities with Basic PAL Service. Operator assisted, collect and/or third number billed calls originating from locations that do not have screening capabilities may not be capable of being intercepted and denied and will be billed, e.g., International calls and calls that do not go through the Billing Validation Authority data base. Provision of Fraud Protection does not alleviate customer responsibility for completed toll calls. Rates and charges for this service are set forth in 13.18.4, following.

(M) Certain material previously found on this page can now be found on Page 8-82.1.

**13. MISCELLANEOUS SERVICES**

**13.18.2 FRAUD PROTECTION (Cont'd)**

For new customers of Basic PAL Service, Fraud Protection may be ordered on or after March 28, 2003. For all existing Basic PAL Service customers, the Company has designed a Phased in schedule in order to accommodate a high volume of requests in a timely manner. Customers of existing Basic PAL Service will only be able to order Fraud Protection on or after the start date indicated below:

- Phase I

Phase I, customers located in the states of Arizona, North Dakota and Oregon who have existing Basic PAL Service may order Fraud Protection Service on or after March 28, 2003. Customers must contact the Company via their normal ordering process to request this Fraud Protection Service.

- Phase II

Phase II, customers located in the states of Colorado, Idaho, Montana, Nebraska, South Dakota and Utah who have existing Basic PAL Service may order Fraud Protection Service on or after April 28, 2003. Customers must contact the Company via their normal ordering process to request this Fraud Protection Service.

- Phase III

Phase III, customers located in the states of Iowa, Minnesota, New Mexico, Washington and Wyoming who have existing Basic PAL Service may order Fraud Protection Service on or after May 28, 2003. Customers must contact the Company via their normal ordering process to request this Fraud Protection Service.

**13.18.3 BLOCKING FOR 101XXXX 1+ AND 101XXXX 011+**

Blocking for 101XXXX 1+ and 101XXXX 011+ prevents these calls from being completed. Blocked calls will be routed to an announcement. This option is available where facilities and operating conditions permit for Basic PAL Service. Rates are set forth in 13.18.4, following.

(M) Certain material on this page formerly appeared on Page 8-82.

**13. MISCELLANEOUS SERVICES**

**13.18 BASIC PUBLIC ACCESS LINE (PAL) OPTIONAL FEATURES (Cont'd)**

**13.18.4 RATES AND CHARGES**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
A. Answer Supervision - Lineside				(T)
• per Public Access Line	AS8L+	\$15.00	\$3.95	(T)
B. Fraud Protection				(N)
• Incoming or BNS per Public Access Line	PSES2	0.00	0.00	(T) (T)
• Outgoing per Public Access Line	PSES3	1.12	0.11	(N)
• Incoming & Outgoing per Public Access Line	PSES4	1.12	0.11	(N)
C. Blocking for 101XXXX 1+ and 101XXXX 011+				(T) (T)
• Blocking, per Public Access Line	RTVXY	4.00	0.10	(T)

### **13. MISCELLANEOUS SERVICES**

#### **13.19 LOCAL NUMBER PORTABILITY**

##### **13.19.1 LOCAL NUMBER PORTABILITY QUERY SERVICE**

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

Local Number Portability (LNP) provides users of telecommunication services the ability to retain their existing Telecommunications Number (TN) when switching from one Local Service Provider (LSP) to another provided that the end user customer remains within the same rate center. LNP provides for the completion of calls to ported telephone numbers regardless of where the call originates.

Local Number Portability Query Service (LNPQS) is an Advanced Intelligent Network (AIN) capability which utilizes the Common Channel Signaling Network (CCSN) to query a LNP data base to secure network routing instructions before completion of a call. At a minimum, a LNP data base contains Location Routing Number (LRN) information about a telecommunication service user's choice of LSP by NXX code. The LRN is unique to the LSP's serving switch that will complete the call.

When more than one network is involved in completing a call, the network prior to the termination (i.e., the N-1 Network) is responsible for querying a LNP data base to secure the appropriate LRN to route the call.

When the provider of the N-1 network forwards a non-queried call to a Company end office switch and the TN is a ported number, the Company's switch will suspend the call processing, formulate and launch a query to the Company's LNP data base to secure the LRN of the ported number. When the necessary LRN has been returned from the LNP data base to the Company switch originating the query, call processing is resumed and the call is either processed in the Company's network or routed to the correct LSP's network for completion to the called party. The Company will assess the provider of the N-1 Network a LNPQS Default End Office Query Charge as set forth in F., following.

### **13. MISCELLANEOUS SERVICES**

#### **13.19 LOCAL NUMBER PORTABILITY**

##### **13.19.1 LOCAL NUMBER PORTABILITY QUERY SERVICE**

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

When the Company's tandem is the first point of switching for terminating a non-queried call to an NXX Code with one or more ported TNs, the Company's tandem switch will suspend the call processing, formulate and launch a query to a LNP data base to determine if the called TN is ported and secure the LRN. When the necessary response has been returned from the LNP data base to the tandem switch, call processing is resumed and the call is either processed in the Company's network or routed to the correct LSP's network for completion to the called party. The Company will perform the query on behalf of the provider who forwarded the non-queried call to the Company's tandem switch. This provider will be billed a LNPQS Default Tandem Query Charge as set forth in 13.4.3, following.

LNPQS is provided where facilities permit. LNPQS is being activated in the Company's largest Metropolitan Statistical Areas (MSAs) on a switch specific basis as specified in the National Exchange Carrier Association Inc., Tariff F.C.C. No. 4. LNP will be available in the remaining Company switches based upon a bonafide requests.

###### **B. LNPQS Manner of Provisioning**

As an option, the customer may prearrange to query the Company's LNP data base by ordering CCSAC Service as set forth in Section 20, following. CCSAC rates and charges apply in addition to the LNP Data Base Query Charge as set forth in Section 20, following. Customers not ordering CCSAC may forward a non-queried call to a Company end office or tandem as a default call. When the customer forwards a non-queried call, the Company will use its network to access the LNP data base on behalf of the customer.

LNPQS uses the Location Routing Number (LRN) architecture. The LRN associates an NPA-NXX-XXXX number with each central office switch that serves ported numbers. All switching types used by the Company will utilize LRN functionality using AIN capability. The LRN functionality is limited to circuit switched calls and excludes High Volume Call-in network NXX codes, 500, 700, 8XX and 900 dialed service codes, until industry standards are defined.

### **13. MISCELLANEOUS SERVICES**

#### **13.19 LOCAL NUMBER PORTABILITY**

##### **13.19.1 LOCAL NUMBER PORTABILITY QUERY SERVICE**

###### **B. LNPQS Manner of Provisioning (Cont'd)**

When telecommunication service customers change from one LSP to another and retain the same TN, the recipient LSP (recipient switch) is responsible for providing complete LRN information to the Regional Service Management System/Number Portability Administration Center (RSMS/NPAC). This information will include the porting TN, the LRN of the recipient switch and Destination Point Codes for CLASS and LIDB Transaction Capability Application Part (TCAP) messages. The RSMS/NPAC will download the information to all LNP databases based on User Agreements between the RSMS/NPAC and LNP Service Providers.

###### **C. Limitations**

LNPQS is used on a call-by-call basis only for routing calls to number portable NXX codes and cannot be used for purposes other than those functions described herein. Information residing in the Company's LNP data base 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.

High Volume Call-in network NXX codes, 911, 411, service codes 500, 700, 8XX and 900 are excluded from number portability until industry standards are defined.

###### **D. Network Management**

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

The Company maintains the right to apply automated or manual protective controls to its network on a competitively neutral basis. These protective controls result from occurrences such as failure or overload of its facilities, natural disasters, mass calling or national security demands.

**13. MISCELLANEOUS SERVICES**

**13.19 LOCAL NUMBER PORTABILITY**

**13.19.1 LOCAL NUMBER PORTABILITY QUERY SERVICE (Cont'd)**

**E. Rate Regulations**

LNPQS customers that deliver a non-queried call to the Company's end office or tandem switches are billed a LNPQS Default End Office or Tandem Query Charge. The LNPQS Default Query Charges recover the cost of the Company's transport from an end office or tandem to the STP, the query of the LNP data base and the return of the query information to the originating end office or tandem switch. A LNPQS Default End Office or Tandem Query Charge is assessed on a per-query, per-end office or tandem basis regardless of the outcome of the query. In the event the same switch serves both an end office and a tandem, the LNPQS Default Tandem Charge is assessed. LNPQS queries are aggregated and billed to the customer on a monthly basis.

Customers that query the LNP Data Base by utilizing Common Channel Signaling Access are billed a LNP Data Base Query Charge, as set forth in Section 20, following, and are not assessed the default query charges.

**F. Rates and Charges**

	<b>RATE</b>
<b>PER QUERY</b>	
• Default Tandem Query, per query	\$0.002581
• Default End Office Query, per query	0.002972



### **13. MISCELLANEOUS SERVICES**

#### **13.19 LOCAL NUMBER PORTABILITY (Cont'd)**

##### **13.19.2 LOCAL NUMBER PORTABILITY END USER CHARGE**

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

The Company will assess a monthly number-portability charge to end users served by LNP-capable switches. LNP provides users of telecommunication services the ability to retain their existing telecommunication number (TN) when switching from one Local Service Provider (LSP) to another provided that the end user customer remains within the same rate center. LNP provides for the completion of calls to ported telephone numbers regardless of where the call originates.

The charge applies to Company's end users served by LNP-capable switches effective with the tariff[1] through (including) February 9, 2004. The Company will assess the charge in each end office at such time as the end office becomes LNP capable.

The monthly charge is assessed, as determined by the Company, to all end users of local exchange service, end users of Feature Group A or Circuit Switched Lineside Service, resellers, and customers that have ordered unbundled switch ports. The Basic Charge is assessed on a per line or per port basis except as set forth following.

- When a customer is provided Integrated Services Digital Network Primary Rate Interface (ISDN-PRI) or other ISDN equivalent-type services that permit the provision of up to 24 voice-grade equivalent channels over a single T-1 facility, the end user charge for ISDN-PRI is assessed per T-1 facility.
- When a customer is provided PBX Service, the end user charge is assessed per PBX trunk.
- The charge is not assessed to Lifeline customers.
- The charge is not assessed to local loops purchased as unbundled network elements.

[1] Not applicable in Oregon, Washington and northern Idaho (Spokane, Washington LATA) until March 15, 1999. The five year period begins in Oregon, Washington and northern Idaho (Spokane, Washington LATA) effective March 15, 1999. The charge will be assessed through (including) March 14, 2004.

**13. MISCELLANEOUS SERVICES**

**13.19 LOCAL NUMBER PORTABILITY**

**13.19.2 LOCAL NUMBER PORTABILITY END USER CHARGE (Cont'd)**

B. Rates and Charges [1]

	<b>MONTHLY USOC RATE</b>	
• Basic, per line/port	PORXX	\$0.00 (R)
• ISDN-PRI, per facility	PORNX	0.00 (R)
• PBX, per trunk	PORPX	0.00 (R)

[1] Rate is assessed in all states, except Oregon, Washington and Northern Idaho (Spokane, Washington LATA) through February 9, 2004. The rate is assessed in Oregon, Washington and Northern Idaho (Spokane, Washington LATA) through March 14, 2004.

### **13. MISCELLANEOUS SERVICES**

#### **13.20 FEDERAL UNIVERSAL SERVICE FUND CHARGE**

##### **13.20.1 GENERAL**

The Federal Universal Service Fund Charge is assessed monthly to end user customers who obtain services from this Tariff to recover contributions for the Universal Service Support Mechanisms. Telecommunications carriers or telecommunications providers that obtain services from this Tariff and do not establish that they contribute directly to support universal service are treated as end user customers and assessed this charge. Telecommunications carriers or telecommunications providers that obtain services from this Tariff to provision telecommunications and establish that they contribute directly to support universal service are excluded from this charge, as are Lifeline customers.

(T)

##### **A. Centrex USF Charges**

Total USF assessment for Centrex Subscribers is the sum of a two-part calculation:

- Part One – Multiline Business EUCL, as set forth in 4.7.1, preceding, times the appropriate state Centrex USF Charge Factor as set forth in 13.20.2, following.
- Part Two – All Other Services provided to the customer out of this tariff times the General USF Charge Factor.

##### **B. Multiline Business USF Charges**

Total USF assessment for Multiline Business Subscribers (excluding Centrex customers addressed above) is the sum of a two-part calculation:

- Part One – Multiline Business EUCL, as set forth in 4.7.1, preceding, times the appropriate state Multiline Business USF Charge Factor as set forth in 13.20.2, following.
- Part Two – All Other Services provided to the customer out of this tariff times the General USF Charge Factor.

##### **C. General USF Charges**

For all other services, the USF charge is determined by multiplying the General USF Charge Factor, specified following, by the total of the end user customer's monthly charges billed for services from this Tariff.

**13. MISCELLANEOUS SERVICES**

**13.20 FEDERAL UNIVERSAL SERVICE FUND CHARGE**

**13.20.2 CHARGE FACTORS**

	<b>CHARGE FACTOR</b>	
• Centrex Factor[1],		(T)
Per individual station line:		(T)
- Arizona	0.011094 (I)	
- Colorado	0.010969	
- Idaho (Boise LATA)[2]	0.011843	(T)
- Montana	0.010899	
- New Mexico	0.011068	
- Utah	0.012320	
- Wyoming	0.011149	
- Iowa	0.010955	
- Minnesota	0.014101	
- Nebraska	0.012321	
- North Dakota	0.011895	
- South Dakota	0.016003	
- Idaho (Spokane LATA)	0.011843	
- Oregon	0.011352	
- Washington	0.012121 (I)	

- (D)
- [1] Excludes ISDN on Centrex and Centrex Dormitory (Residential) Service. (T)
- [2] Includes Malheur Home Telephone Company. (T)

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1801 California Street, Denver, Colorado 80202

**13. MISCELLANEOUS SERVICES**

**13.20 FEDERAL UNIVERSAL SERVICE FUND CHARGE**

**13.20.2 CHARGE FACTORS (Cont'd)**

	<b>CHARGE FACTOR</b>	<b>(T)</b>
• Multiline Business Factor, Per individual line or trunk:		
- Arizona	0.099850 (I)	
- Colorado	0.098723	
- Idaho (Boise LATA)[1]	0.106590	(T)
- Montana	0.098094	
- New Mexico	0.099612	
- Utah	0.110881	
- Wyoming	0.100340	
- Iowa	0.098597	
- Minnesota	0.126907	
- Nebraska	0.110890	
- North Dakota	0.107051	
- South Dakota	0.144029	
- Idaho (Spokane LATA)	0.106590	
- Oregon	0.102166	
- Washington	0.109093 (I)	
• General Factor, Per Account	0.097 (I)	

**13.21 RESERVED FOR FUTURE USE**

[1] Includes Malheur Home Telephone Company.

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**13. MISCELLANEOUS SERVICES**

**13.22 SYNCHRONIZATION SERVICE**

**A. General**

1. The Company will provide a Synchronization Interface having a data rate of 1.544 Mbps at the customer's designated premises when the Company delivers the service utilizing a Company-provided SONET-based facility. The data rate of the signal is synchronized by a Stratum 1 timing source located in a Company central office. This signal is traceable to the Stratum 1 timing source.
2. Due to technological differences, DS1 Interfaces for Synchronization Service can only be ordered on a Company-provided SONET-based facility installed after December 1, 1993. DS1 Interfaces for Synchronization Service cannot be provided for customers with an existing Company-provided SONET-based facility installed prior to December 1, 1993. The Company will notify the customer if the SONET-based facility for the customer-designated premises is able to accommodate the request for Synchronization Service.
3. Placement of SONET-based facilities which are used to deliver services to the customer's designated premises is solely at the discretion of the Company except when the customer has either SST or SHNS.
4. Technical Specifications for the Synchronization Service are set forth in Qwest Corporation Technical Publication PUB 77375. Additional information for customer use is set forth in Qwest Corporation Technical Publication PUB 77200.

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Certain material on this page formerly appeared on Pages 7-515 and 516.

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1801 California Street, Denver, Colorado 80202

**13. MISCELLANEOUS SERVICES**

**13.22 SYNCHRONIZATION SERVICE (Cont'd)**

(T)(M)

**B. Technical Specifications**

(T)

SST channel technical specifications are delineated in Qwest Corporation Technical Publication PUB 77346.

**D. Channel Interfaces**

(T)

The channel interface (CI) defines the bit rate that is available for a high capacity channel. Compatible channel interfaces are set forth in Qwest Corporation Technical Publication PUB 77346.

**E. Rates and Charges**

(T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Per Interface at 1.544 Mbps on SONET-based facilities	S1F1S	\$199.00	\$5.00

(T)(M)

Certain material on this page formerly appeared on Pages 7-516 and 7-532.

(Filed under Transmittal No. 23.)

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1801 California Street, Denver, Colorado 80202

**13. MISCELLANEOUS SERVICES**

(D-x)

- (x) Material withdrawn, before becoming effective, under the authority of Special Permission No. 02-126.

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**14. OPERATING TERRITORIES**

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## **14. OPERATING TERRITORIES**

The operating territories of Qwest Corporation and their concurring carriers are comprised of the following locations, defined by the names of rate centers, by LATA, for the states of Arizona, Colorado, Idaho, Iowa, Minnesota, Montana, Nebraska, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington and Wyoming.

### **14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY**

#### **14.1.1 ARIZONA**

##### **A. Phoenix LATA**

Anita	Flagstaff	Page
Apache Vortac	Florence	Payson
Ash Fork	Gila Bend	Phoenix
Bitter Springs	Glen Canyon	Prescott
Trading Post	City, UT	Sedona
Black Hill	Grand Canyon	Somerton
Cameron	Hassayampa	Superior
Camp Verde	Vortac	Valle
Canyon Lake	Humboldt	Wellton
Casa Grande	Joseph City	Wenden
Chino Valley	Juniper Mountain	Whitlow
Coolidge	Lukeville	Wickenburg
Cottonwood	Maricopa	Williams
Crown King	Mount Humboldt	Winslow
Desert View	Munds Park	Yarnell
Eloy	North St. Johns	Yuma
	Oatman Mt. Top	
	Organ Pipe	
	Cactus National Monument	

**14. OPERATING TERRITORIES**

**14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY**

**14.1.1 ARIZONA (Cont'd)**

**B. Tucson LATA**

Bear Springs	Kelvin	San Manuel
Benson	Kitt Peak	San Simon
Bisbee	Marana	Vortac
Bogard Wash	Miami	Santa Rosa
Coronado	Naco Int. Bdry.	Sierra Vista
Daniel Mine	Nogales	Silver Bell
Douglas	Nogales Int. Bdry.	Sunshine
Douglas Int. Bdry.	Patagonia	Tombstone
Globe	Pima	Tubac
Green Valley	Robles	Tucson
Hayden	Safford	Vail
		Willcox

**14. OPERATING TERRITORIES**

**14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY (Cont'd)**

**14.1.2 COLORADO**

**A. Colorado Springs LATA**

Aguilar	Del Norte	Peyton
Alamosa	Fairplay	Pueblo
Buena Vista	Florence	Salida
Calhan	Leadville	Trinidad
Canon City	Limon	Walsenburg
Colorado Springs	Monte Vista	
Cowans		
Cripple Creek		

**14. OPERATING TERRITORIES**

**14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY**

**14.1.2 COLORADO (Cont'd)**

**B. Denver LATA**

Adena Station	Deer Trail Metering	Golden
Allenspark	Station	Granby
Arvada	Delta	Grand Junction
Aspen	Denver	Grand Lake
Aurora	Denver	Greeley
Bailey	Northeast	Gunnison
Basalt	Denver	Hayden
Battle Canyon	Southwest	Hillrose
Station	Dillon	Hot Sulphur Springs
Bayfield	Durango	Hudson
Berthoud	Eaton	Idaho Springs
Boulder	Elbert	Johnstown- Milliken
Breckenridge	Elizabeth	Julesburg
Brighton	Englewood	Keenesburg
Broomfield	Erie	Kiowa
Brush	Estes Park	Kremmling
Carbondale	Evergreen	La Salle
Castle Rock	Fort Collins	Lafayette-
Central City	Fort Lupton	Louisville
Coal Creek Canyon	Fort Morgan	Lakewood
Cortez	Fraser	Little Beaver
Craig	Frederick	Gas Plant
Crested Butte	Fruita	Littleton
De Beque	Georgetown	Longmont
Deckers	Gilcrest	Lookout Mountain
	Glenwood Springs	Loveland

**14. OPERATING TERRITORIES**

**14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY**

**14.1.2 COLORADO**

**B. Denver LATA (Cont'd)**

Lyons	Palisade	Ward
Mancos	Parachute	Weldona
Mead	Parker	Windsor
Meeker	Platteville	Yampa
Montrose	Ridgeway	
Morrison	Rifle	
Nederland	Silt	
New Castle	Silverton	
North Julesburg, NE	Steamboat Springs	
Oak Creek	Sterling	
Olathe	Sullivan	
Ouray	Telluride	
	Vail	

**14. OPERATING TERRITORIES**

**14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY (Cont'd)**

**14.1.3 IDAHO**

**A. Boise LATA**

American Falls	Hells Canyon	Nyssa, OR
Bankcroft	Idaho City	Ontario, OR
Blackfoot	Idaho Falls	Oregon Slope, OR
Bliss	Idaho National	Payette
Boise	Engineering	Pocatello
Border, WY	Labortary	Preston
Buhl	Ironside, OR	Rexburg
Burley	Jerome	Rigby
Caldwell	Ketchum	Ririe
Castleford	Kimberly	Roberts
Dietrich	Kuna	Shelley
Downey	Lava Hot Springs	Shoshone
Eden	McCammon	Soda Springs
Emmett	Melba	Squaw Butte
Glenns Ferry	Meridian	Star
Gooding	Middleton	Twin Falls
Grace	Montpelier	Vale, OR
Hagerman	Mountain Home	Weiser
Hailey	Murtaugh	Wendell
Hazelton	Nampa	
	New Plymouth	

**14. OPERATING TERRITORIES**

**14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY (Cont'd)**

**14.1.4 MONTANA**

**A. Billings LATA**

Ator Creek Junction	Glendive	Old Faithful, WY
Belgrade	Hardin	(Yellowstone
Billings	Joliet	National Park)
Bozeman	Lake, WY	Red Lodge
Bridger	(Yellowstone	Scott Land
Clyde Park	National Park)	& Cattle Co
Columbus	Laurel	Sidney
Cooke City	Little Wall	Terry
East Fairview, ND	Livingston	Three Forks
East Sidney, ND	Mammoth, WY	West Yellowstone
Fairview	(Yellowstone	Wibaux
Farley Ranch	National Park)	Wilsall
Forsyth	Manhattan	
Fromberg	Miles City	
Gallatin Gateway	North Warren	
Gardiner		



**14. OPERATING TERRITORIES**

**14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY**

**14.1.4 MONTANA (Cont'd)**

**B. Great Falls LATA**

Anaconda	East Glacier Park	Stevensville
Bear Creek	Essex	Sweetgrass Int. Bdry.
(Flathead Co)	Frenchtown	Townsend
Blankenship	Great Falls	Victor
Boulder	Hamilton	Warm Springs
Butte	Havre	West Glacier
Cascade	Helena	West Sweetgrass
Conrad	Kiowa	Int. Bdry.
Cut Bank	Lewistown	Whitehall
Darby	Missoula	Wolf Creek
Deer Lodge	Pinnacle	
Dillon	Polebridge	
Dutton	Port of Piegan	
East Conrad	St. Mary	
Junction	Shelby	

**14. OPERATING TERRITORIES**

**14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY (Cont'd)**

**14.1.5 NEW MEXICO**

**A. New Mexico LATA**

Alamogordo	Farmington	Raton
Albuquerque	Gallup	Red River
Anthony	Grants	Roswell
Apache	Guadalupe Peak	Sante Fe
Artesia	Hatch	Santa Rosa
Aztec	Laguna Acoma	Santa Teresa
Bayard	La Mesa	Silver City
Belen	Las Cruces	Socorro
Bernalillo	Las Vegas	Springer
Bernardo Station	Los Alamos	Star Lake
Chaparral	Los Lunas	Taos
Cimmarron	Moriarty	Tijeras
Clovis	Mountainair	Tucumcar
Deming	Mount Dora	Wampia Spring
Eagle Nest	Pena Blanca	White Sands
Estancia	Penasco	Missile Range
	Portales	
	Questa	

**14. OPERATING TERRITORIES**

**14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY (Cont'd)**

**14.1.6 UTAH**

**A. Utah LATA**

Alta		(D) Nephi	
American Fork	Harley Dome	Nine Mile	
Beaver	Heber City	Ogden	
Bingham Canyon		(D) Park City	
Black Mountain	Hiawatha	Parowan	
Bonanza	Holladay	Payson	
Bonneville	Hovenweep	Pleasant Grove	
Radio Range	National		(D)
Bountiful	Monument	Provo	
Brian Head	Huntsville	Red Mesa	
Brigham City	Hurricane	Richfield	
Bruin Peak	Hyrum	Richmond	
Cedar Breaks	Johnson Peak		(D)
Cedar City	Kaysville	Rowley	
Cedar Mountain	Kearns	St. George	
Cisco	Lake Mountain	Salina	
Clearfield	Lehi	Salt Lake City	
	(D) Lisbon	Smithfield	
Crescent Junction	Logan	Spanish Fork	
Delle	Lucin Radio Range	Springdale	
	(D) Magna	Springville	
	Michael Field	Tooele	
	Midvale		(D)
	(D) Monroe	Warren Petroleum	
Farmington	Morgan		(D)
Fish Lake		(D) White Mesa	
	Murray	Wonsits Oil Field	

**14. OPERATING TERRITORIES**

**14.1 AZ, CO, ID (BOISE LATA), MT, NM, UT, WY (Cont'd)**

**14.1.7 WYOMING**

**A. Wyoming LATA**

Afton	Hog Park	Sheridan	
Boysen Peak	Jackson	Silvertip, MT	
Buffalo	Kemmerer	South Baxter	
Casper	Lander	South Cheyenne, CO	
Cheyenne	Laramie	South Laramie, CO	
Cheyenne River	Lusk	Sweetwater Mine	
Station	Moran	Tygee Valley, ID	
Chimney Butte	North Parkman, MT	Wasatch, UT	
Cody	Powell	West Pine Butte	
Crazy Woman	Rawlins	Wheatland	(T)
Douglas	Riverton	Wright	
Evanston	Rock Springs		
Ferris			
Gillette			
Glendo			
Glenrock			
Green River			

**14. OPERATING TERRITORIES**

**14.2 IA, MN, NE, ND, SD**

**14.2.1 IOWA**

**A. Davenport LATA**

Burlington	Dubuque	Maquoketa
Clinton	Fort Madison	Muscatine
Davenport	Keokuk	Walcott

**B. Des Moines LATA**

Ackley	Eagle Grove	Northwood	(T-x)
Adel	Earlham	Osage	
Algona	(T-x) Garner	(T-x) Oskaloosa	
Alta Vista	Gilmore City	(T-x) Ottumwa	
Altoona	Granger	Perry	
Ames	Grimes	Polk City	
Ankeny	Hampton	Prairie City	
Blairsburg	(T-x) Humboldt	(T-x) Renwick	(T-x)
Boone	Indianola	Runnells	
Bradgate	Iowa Falls	Rose Hill	
Britt	(T-x) Jewell	(T-x) Stuart	(T-x)
Carlisle	Livermore	Van Meter	
Charles City	Luverne	Waukee	
Clarion	Manly	(T-x) Webster City	
Colfax	Marshalltown	Wesley	(T-x)
Dallas Center	Mason City	Whittemore	
Dawson	Nashua	(T-x) Williams	(T-x)
Des Moines	Norwalk	Winterset	

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**14. OPERATING TERRITORIES**

**14.2 IA, MN, NE, ND, SD**

**14.2.1 IOWA (Cont'd)**

**C. Cedar Rapids LATA**

Anamosa	Decorah	Monticello
Calmar	Denver	Mount Vernon
Cedar Falls	Dike	New Hartford
Cedar Rapids	Independence	Oelwein
Center Point	Iowa City	Parkersburg
Coggon	Lansing	(T-x) Waterloo
		Waukon
		Waverly

**D. Sioux City LATA**

Anthon	(T-x) Mapleton	(T-x) Onawa	(T-x)
Arnolds Park	Merrill	Pocahontas	(T-x)
Cherokee	(T-x) Milford	Sheldon	
Correctionville	(T-x) North	(T-x) Sioux City	
Dakota City, NE	Estherville, MN	(T-x) Sioux Rapids	(T-x)
Danbury	(T-x) North Lake	South Sioux City, NE	
Estherville	(T-x) Park, MN	Spencer	
Lake Park	North Sioux City, SD	Spirit Lake	
Laurens	(T-x) North Spirit	Storm Lake	(T-x)
	Lake, MN	Whiting	(T-x)

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**14. OPERATING TERRITORIES**

**14.2 IA, MN, NE, ND, SD (Cont'd)**

**14.2.2 MINNESOTA**

**A. Duluth LATA**

Barnum	Duluth	Nashwauk
Buhl	Grand Marais	Silver Bay
Biwabik	Grand Rapids	Tofte
Breckenridge, ND	Hibbing	Virginia
Chisholm	International Falls	
Cloquet	Keewatin	
Coleraine	Moose Lake	
Cook	Marble	
Carlton		

**B. Minneapolis LATA**

Braham	Mora	Sandstone
Cambridge	North Branch	St. Croix Beach
Gaylord	Ogilvie	Stillwater
Hinckley	Pine City	Twin Cities
Isanti	Princeton	Wabasha
Le Sueur	Red Wing	Wyoming
	Rush City	

**14. OPERATING TERRITORIES**

**14.2 IA, MN, NE, ND, SD**

**14.2.2 MINNESOTA (Cont'd)**

**C. Rochester LATA**

Albert Lea	Luverne	St. Charles
Austin	Marshall	St. Peters
Caledonia	Morton	Stewartville
Chatfield	New Sweden	Tracy
Fairbault	Nicollet	Waseca
Glenville	Northfield	Winona
Jackson	Owatonna	Windom
	Pipestone	
	Redwood Falls	
	Rochester	

**D. St. Cloud LATA**

Appleton	Holdingford	Royalton
Avon	Litchfield	Sauk Centre
Big Stone City, SD	Little Falls	St. Cloud
Cold Spring	Morris	St. Joseph
Foley	Montevideo	Swanville
Glenwood	Olivia	Willmar
	Ortonville	



**14. OPERATING TERRITORIES**

**14.2 IA, MN, NE, ND, SD (Cont'd)**

**14.2.3 NEBRASKA**

**A. Grand Island LATA**

Alliance	Elm Creek	North Platte	
Atlanta	Elwood	Ogallala	
Axtell	Farwell	(T-x) Oxford	(T-x)
Big Springs	Gothenburg	St. Libory	(T-x)
Bridgeport	Grand Island	St. Paul	
Broken Bow	Harris	Sidney	
Cairo	Holdrege	Silver Creek	(T-x)
Central City	Kimball	Wood River	
Chadron	Lexington		
Crawford	Loup City		
Creston	(T-x) Mccook		
	Minden		

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**14. OPERATING TERRITORIES**

**14.2 IA, MN, NE, ND, SD**

**14.2.3 NEBRASKA (Cont'd)**

**B. Omaha LATA**

Ainsworth	(T-x)	Hamburg	(T-x)	Schuyler
Atkinson		Howells		Shenandoah, IA
Atlantic, IA	(T-x)	Humphrey	(T-x)	Silver City, IA
Beloit, IA		Laurel		South Jackson, IA
Bennington		Lyons		South Round Lake, IA
Carrol, IA		Malvern, IA		Springfield
Carter Lake, IA		Mineola, IA		Tekamah
Clarkson		Missouri Valley, IA		Underwood, IA
Crescent, IA		Neola, IA		Valentine (T-x)
Creston		Norfolk		Valley
Council Bluffs, IA		North Valentine, SD (T-x)		Wakefield
De Soto Bend		Oakland, IA		Wayne
East Harrisburg, IA		Omaha		West Hamburg (T-x)
Emerson	(T-x)	O'Neill	(T-x)	West Point
Fremont		Pilger		
Glenwood, IA		Randolph	(T-x)	
Gretna		Red Oak, IA		

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**14. OPERATING TERRITORIES**

**14.2 IA, MN, NE, ND, SD (Cont'd)**

**14.2.4 NORTH DAKOTA**

**A. Bismark LATA**

	(D) Riverdale	(D)
Belfield		(D)
Bismarck		
Dickenson		

**14. OPERATING TERRITORIES**

**14.2 IA, MN, NE, ND, SD**

**14.2.4 NORTH DAKOTA (Cont'd)**

**B. Fargo LATA**

Battle Lake, MN	Hatton	Northwood	
Bemidji, MN	Hillsboro		(D)
Brainerd, MN	Jamestown	Reynolds	
Breckenridge, MN	Kindred	Thompson	
Crookston, MN	Larimore	Valley City	
Emerado	Leonard	Wadena, MN	
	(D)	(D) Wahpeton	
Fargo	Manvel	West Comstock, MN	(D)
Gardner	Mayville		
Grafton			
Grand Forks			
	(D)		

**14. OPERATING TERRITORIES**

**14.2 IA, MN, NE, ND, SD (Cont'd)**

**14.2.5 SOUTH DAKOTA**

**A. South Dakota LATA**

Aberdeen	Deadwood	Iroquois
Arlington	De Smet	Lake Preston
Belle Fourche	Elk Point	Lead
Canton	Flandreau	Madison
Cavour	Harrisburg-Tea	McIntosh
Chamberlain	Hill City	Milbank
Colman	Huron	Miller
		Mitchell

**14. OPERATING TERRITORIES**

**14.2 IA, MN, NE, ND, SD**

**14.2.5 SOUTH DAKOTA**

**A. South Dakota LATA (Cont'd)**

Morristown	Sioux Falls	Vermillion
Nisland		(D) Volga
Pierre	S. Yankton, NE	Watertown
Rapid City	Spearfish	Whitewood
Redfield	Sturgis	Yankton
	Timber Lake	

**14. OPERATING TERRITORIES**

**14.3 ID (SPOKANE LATA), OR, WA**

**14.3.1 OREGON**

**A. Eugene LATA**

Albany  
Ashland  
Blue River  
Central Point  
Corvallis  
Cottage Grove  
Eugene-Springfield  
Florence

Gold Hill  
Grants Pass  
Harrisburg  
Jacksonville  
Jefferson  
Junction City  
Klamath Falls  
Leaburg  
Lowell  
Mapleton  
Marcola

Medford  
Newport  
Oakland-Sutherlin  
Phoenix  
Rogue River  
Roseburg  
Siletz  
Toledo  
Veneta

**14. OPERATING TERRITORIES**

**14.3 ID (SPOKANE LATA), OR, WA**

**14.3.1 OREGON (Cont'd)**

**B. Portland LATA**

Astoria	Independence-	Portland
Athena-Weston	Monmouth	Prineville
Baker	Lake Oswego	Rainier
Battle Ground, WA	Lapine	Redmond
Bend	Longview-	Ridgefield, WA
Burlington	Kelso, WA	Saint Helens
Camp Sherman	Madras	Salem
Cannon Beach	Moro	Seaside
Castle Rock, WA	North Plains	Silver Lake
Culver	Oak Grove-	Sisters
Dallas	Milwaukie	Stanfield
Falls City	Oakridge	Sumpter
Hermiston	Oregon City	Umatilla
	Pendleton	Vancouver, WA
		Warrenton
		Westport
		Woodburn-Hubbard



**14. OPERATING TERRITORIES**

**14.3 ID (SPOKANE LATA), OR, WA (Cont'd)**

**14.3.2 WASHINGTON**

**A. Seattle LATA**

Aberdeen-Hoquiam	Graham	Port Townsend
Auburn	Hoodsport	Puyallup
Bainbridge Island	Issaquah	Renton
Belfair	Kent	Rochester
Bellevue	Maple Valley	Roy
Bellingham	North Bend	Seattle
Black Diamond	Olympia	Sequim
Bremerton	Port Angeles	Shelton
Buckley	Port Ludlow	Silverdale
Centralia	Port Orchard	Sumner
Chehalis		Tacoma
Copalis		Winlock
Crystal Mountain		
Des Moines		
Enumclaw		

**14. OPERATING TERRITORIES**

**14.3 ID (SPOKANE LATA), OR, WA**

**14.3.2 WASHINGTON (Cont'd)**

**B. Spokane LATA**

Clarkston	Kamiah, ID	Pasco
Cle Elum	Kooskia, ID	Pateros
Colfax	Lapwai, ID	Pomeroy
Colville	Lewiston, ID	Spokane
Cottonwood, ID	Liberty Lake	Springdale
Coulee Dam	Loon Lake	Touchet
Craigmont, ID	Milton-Freewater	Waitsburg
Dayton	Moses Lake	Walla Walla
Deer Park	Newman Lake	Warden
Easton	Nez Perce, ID	Yakima
Elk	Northport	
Ephrata	Omak-Okanogan	
Grangeville, ID	Oroville	
Green Bluff	Othello	

**15. SELF-HEALING NETWORK SERVICE**

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## **15. SELF-HEALING NETWORK SERVICE**

### **15.1 GENERAL**

Self-Healing Network Service (SHNS) offers a service arrangement designed to provide high capacity digital services between multiple customer-designated premises and Company Hub wire center(s), which will survive in the event of any single failure (catastrophic or otherwise) within the Self-Healing Network. This service is designed to automatically detect a failure anywhere within the system and reconfigure itself around the point of failure to ensure a near continuous flow of information between those locations that are within the survivable network.

This service provides network survivability through an integrated combination of intelligent network elements (which includes automatic protection switching functions), and diversely routed facilities.

Rates and charges for SHNS not subject to Phase II Pricing Flexibility are set forth in this section. Phase II Pricing Flexibility rates are specified in Section 17. The wire centers included in Phases I and II are identified in Section 23.

#### **15.1.1 SERVICE DESCRIPTION**

SHNS is a dedicated facility between multiple customer-specified node locations. Access Nodes are located at a customer-designated premises, Hub Nodes with Add-Drop Multiplexing functionality are located at Company wire centers. Control Nodes are located in a Company wire center or as determined by the Company for testing and monitoring purposes. A SHNS ring must have a minimum of three nodes. At least one SHNS node must be located in a Company wire center. A SHNS ring can not have a Hub Node and a Control Node on the same SHNS ring.

Connections to SHNS Access Nodes and Hub Nodes are provided over standard DS1, DS3, STS1, OC3, OC12, OC48 ports or 10 Mbps, 100 Mbps or 1 Gbps Ethernet Ports over SONET (EPoS) as set forth in Section 7.19, preceding, (i.e., DS1 channel capability, DS3 channel capability, bandwidth capacity of 155.52 Mbps (OC3), bandwidth capacity of 622.08 Mbps (OC12) and/or bandwidth capacity of 2.488 Gbps (OC48) in accordance with A. through E., following. SHNS Control Node connectivity is forth in H., following.

(C)  
|  
(C)

## **15. SELF-HEALING NETWORK SERVICE**

### **15.1 GENERAL**

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

SHNS is available to transport the Bandwidth Capacity of 155.52 Mbps, 622.08 Mbps, 1.244 Gbps[1], 2.488 Gbps or 9.952 Gbps. For Bandwidth Capacity of 155.52 Mbps, the customer may order a combination of DS1, DS3 and/or STS1 ports (where 28 DS1s are the equivalent of one DS3 or STS1 capacity on the SHNS). For Bandwidth Capacity of 622.08 Mbps, the customer may order only DS1, DS3, STS1, or OC3 ports. For Bandwidth Capacity of 1.244 Gbps[1], the customer may order DS3, STS1, OC3 or OC12 ports; and for Bandwidth Capacity of 2.488 Gbps, the customer may order DS1, DS3, STS1, OC3 or OC12 ports. For Bandwidth Capacity of 9.952 Gbps, the customer may order DS1, DS3, STS1, OC3, OC12 or OC48 ports. In addition the customer may order 10 Mbps, 100 Mbps or 1 Gbps Ethernet Ports over SONET (EPoS) as set forth in Section 7.19, preceding, for the SHNS bandwidths.

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SHNS will dedicate all available bit rate capacity on a Self-Healing Network exclusively to a single customer. The interface at the customer premises will conform to standard ANSI DS1 interface (1.544 Mbps) specifications, standard ANSI DS3 interface (44.736 Mbps) and/or STS1 interface (51.84 Mbps) specifications. In addition, the interface at the customer premises will conform to standard ANSI standards for ANSI OC3 (155.52 Mbps), OC12 (622.08 Mbps), OC48 (2.488 Gbps) and OC192 (9.952 Gbps) specifications.

Performance Monitoring capability affords the customer access to detailed information pertaining to the performance of the SHNS. The level of performance monitoring capabilities will vary depending on the vendor and interface being used. This capability is accessible via a customer provided terminal compatible with the Company equipment used to provision the Self-Healing Network.

SHNS will be available throughout Company serving areas. The offering of SHNS contemplates the use of existing facilities. There may be occasions where the service is not available due to facilities limitations, or where it may be necessary to construct such facilities as either (1) normal or (2) Special Construction. If Special Construction is involved, the regulations as set forth in Tariff F.C.C. No. 2 apply.

- [1] Effective December 31, 1997, Bandwidth Capacity of 1.244 Gbps is limited to existing customers only. Customers with 1.244 Gbps in service on December 31, 1997, may continue 1.244 Gbps until the service is moved or disconnected. If the service is moved or disconnected, 1.244 Gbps may not be reestablished. As of January 1, 1998, new customers may not subscribe to 1.244 Gbps.

**15. SELF-HEALING NETWORK SERVICE**

**15.1 GENERAL**

**15.1.1 SERVICE DESCRIPTION (Cont'd)**

For any SHNS, even though the total number of ports (on the entire SHNS) may exceed the Bandwidth Capacity of the particular SHNS, the service capacity of active ports at any one time will not exceed the usable capacity of SHNS Bandwidth Capacity as set forth in Qwest Corporation Technical Publication PUB 77332.

**A. SHNS with a Bandwidth Capacity of 155.52 Mbps**

For SHNS with a Bandwidth Capacity of 155.52 Mbps, a combination of DS1, DS3 and/or STS1 ports; or a combination of 10 Mbps, 100 Mbps or 1 Gbps Ethernet Ports over SONET (EPoS) as set forth in Section 7.19, preceding; in any applicable combination, may be ordered.

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Due to technological differences, DS1 Interfaces can only be ordered on SHNS installed after March 23, 1992. For customers with existing SHNS installed prior to March 23, 1992, who want to purchase DS1 Interfaces, the charge to add the DS1 Interface(s) will be treated as an upgrade in service as set forth in 15.4.7, following. Nonrecurring charges will apply for SHNS with DS1 port capability.

**15. SELF-HEALING NETWORK SERVICE**

**15.1 GENERAL**

**15.1.1 SERVICE DESCRIPTION (Cont'd)**

**B. SHNS with a Bandwidth Capacity of 622.08 Mbps**

For SHNS with a Bandwidth Capacity of 622.08 Mbps, a combination of DS1, DS3, STS1 and/or OC3 Ports; or a combination of 10 Mbps, 100 Mbps or 1 Gbps Ethernet Ports over SONET (EPoS) as set forth in Section 7.19, preceding; may be ordered in any applicable combination.

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(C)

**C. SHNS with a Bandwidth Capacity of 1.244 Gbps[1]**

For SHNS with a Bandwidth Capacity of 1.244 Gbps, only the DS3 Ports, STS1 Ports, OC3 Ports and OC12 Ports may be ordered in any applicable combination.

**D. SHNS with a Bandwidth Capacity of 2.488 Gbps**

For SHNS with a Bandwidth Capacity of 2.488 Gbps, only the DS1 Ports, DS3 Ports, STS1 Ports, OC3 Ports and OC12 Ports; or a combination of 10 Mbps, 100 Mbps or 1 Gbps Ethernet Ports over SONET (EPoS) as set forth in Section 7.19, preceding; may be ordered in any applicable combination.

(C)  
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**E. SHNS with a Bandwidth Capacity of 9.952 Gbps**

For SHNS with a Bandwidth Capacity of 9.952 Gbps, only the DS1 Ports, DS3 Ports, STS1 Ports, OC3 Ports, OC12 and OC48 Ports; or a combination of 10 Mbps, 100 Mbps or 1 Gbps Ethernet Ports over SONET (EPoS) as set forth in Section 7.19, preceding; may be ordered in any applicable combination.

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(C)

[1] Effective December 31, 1997, Bandwidth Capacity of 1.244 Gbps is limited to existing customers only. Customers with 1.244 Gbps in service on December 31, 1997, may continue 1.244 Gbps until the service is moved or disconnected. If the service is moved or disconnected, 1.244 Gbps may not be reestablished. As of January 1, 1998, new customers may not subscribe to 1.244 Gbps.



**15. SELF-HEALING NETWORK SERVICE**

**15.1 GENERAL (Cont'd)**

**15.1.2 RATE CATEGORIES**

The basic rate categories which apply to SHNS:

- Access Node (described in 15.1.2.A., following)
- Access Port (described in 15.1.2.B., following)
- Hub Node (described in 15.1.2.C., following)
- Hub Port (described in 15.1.2.D., following)
- Interoffice Transport (described in 15.1.2.E., following)
- Central Office Connecting Channels (described in 15.1.2.F., following)
- Optional Features and Functions (described in 15.1.2.G., following)
- Control Node (described in 15.1.2.H., following)
- Ethernet Ports over SONET (EPoS, described in Section 7.19, preceding) (N)

**15. SELF-HEALING NETWORK SERVICE**

**15.1 GENERAL**

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

**A. Access Node**

1. For Bandwidth Capacity of 155.52 Mbps (OC3) and 622.08 Mbps (OC12) (T)

The Access Node rate category provides the Add-Drop Multiplexing Function at the customer premises designated Node location on the Self-Healing Network. This Access Node Capacity rate applies per month for each customer premises located on the SHNS.

2. For Bandwidth Capacity of 2.488 Gbps (OC48) (T)

The Access Node rate category provides the Add-Drop Multiplexing Function at the customer premises designated Node location on the Self-Healing Network. This Access Node Capacity rate applies per month for each customer premises located on the SHNS. An OC48 Access Node can accommodate up to 168 DS1s, as set forth in a., following. (C)

The DS1 Port Add/Drop Capability is available on 2.488 Gbps Systems. It must be ordered with the DS1 Port and it allows customers to drop DS1s directly from the Access Node. Each Add/Drop Capability allows for 84 DS1 Ports with a maximum of two Add/Drop Capabilities per Access Node; therefore, an OC48 Node can accommodate up to 168 DS1s. A recurring rate will apply per Access Node, with a maximum of two per Access Node.

Certain material previously found on this page has been grandfathered and can now be found in Section 15.99.

**15. SELF-HEALING NETWORK SERVICE**

**15.1 GENERAL**

**15.1.2 RATE CATEGORIES**

A. Access Node (Cont'd)

3. For Bandwidth Capacity of 9.952 Gbps (OC192)

The access Node rate category provides the Add-Drop Multiplexing Function at the customer premises designated Node location on the Self-Healing Network. This Access Node Capacity rate applies per month for each customer premises located on the SHNS.

(C)

DS1 ports may also be ordered via the DS1 port drop capability. Each DS1 Port drop capability allows for 84 DS1 ports with a maximum of two per node; therefore, an Access Node can accommodate up to 168 DS1s.

(C)

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(C)

Certain material previously found on this page has been grandfathered and can now be found in Section 15.99.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.1 GENERAL**

#### **15.1.2 RATE CATEGORIES**

##### **B. Access Port**

The Access Port rate category provides for the DS1, DS3, STS1, OC3, OC12 and/or OC48 channelization that must take place at each SHNS Access Node. The Access Port rate element applies per month. The quantity of Ports is determined based on the number of DS1, DS3, STS1, OC3, OC12 and/or OC48 Ports ordered by the customer. A recurring rate and nonrecurring charge will apply where a Port is ordered (e.g., where a DS3 Port originates or terminates).

Access Ports have the option of being equipped with the capability to multiplex higher speed signals into smaller channels for distribution to other points within the ring as follows, a service known as Ring Mux Ports:

- A DS3 port or STS1 port may be configured to provide up to twenty-eight (28) 1.544 Mbps channels.
- An OC3 port may be configured to provide up to three (3) 44.736 Mbps channels.
- An OC12 port may be configured to provided up to twelve (12) 44.736 Mbps channels, four (4) 155.52 Mbps channels or any combination of 44.736 Mbps channels and 155.52 Mbps channels not to exceed 622.08 Mbps. (T)
- An OC48 port may be configured to provide up to forty-eight (48) 44.736 Mbps channels, four (4) 622.08 Mbps channels, sixteen (16) 155.52Mbps channels or any combination of 44.736 Mbps channels, 155.52 Mbps channels and 622.08 Mbps channels not to exceed 2.488 Gbps.

##### **C. Hub Node**

1. For Bandwidth Capacity of 155.52 Mbps (OC3) and 622.08 Mbps (OC12) (T)

The Hub Node rate category provides for equipment (the Add-Drop Multiplexing Function) located in Company Hub Nodes (wire centers) that are part of the SHNS. One Hub Node rate element applies per month for each Company Hub located on the SHNS. These Hub Nodes will be designated by the customer and incorporated into the design of the SHNS. There must be at least one Company Hub Node located on each SHNS.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.1 GENERAL**

#### **15.1.2 RATE CATEGORIES**

##### **C. Hub Node (Cont'd)**

##### **2. For Bandwidth Capacity of 2.488 Gbps (OC48)**

The Hub Node rate category provides for equipment (the Add-Drop Multiplexing Function) located in Company Hub Nodes (wire centers) that are part of the SHNS. One Hub Node rate element applies per month for each Company Hub located on the SHNS. These Hub Nodes will be designated by the customer and incorporated into the design of the SHNS. There must be at least one Company Hub Node located on each SHNS.

DS1 Ports also may be ordered with an OC48 Hub Node. An OC48 Hub Node can accommodate up to 168 DS1s, as set forth, following.

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(D)

The DS1 Port Add/Drop Capability is available on 2.488 Gbps Systems. It must be ordered with the DS1 Port and it allows customers to drop DS1s directly from the Hub Node. Each Add/Drop Capability allows for 84 DS1 Ports with a maximum of two Add/Drop Capabilities per Hub Node; therefore, an OC48 Node can accommodate up to 168 DS1s. A recurring rate will apply per Hub Node, with a maximum of two per Hub Node.

Certain material previously found on this page has been grandfathered and can now be found in Section 15.99.

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Effective: April 8, 2004

**15. SELF-HEALING NETWORK SERVICE**

**15.1 GENERAL**

**15.1.2 RATE CATEGORIES**

C. Hub Node (Cont'd)

3. For Bandwidth Capacity of 9.952 Gbps (OC192)

The Hub Node rate category provides the Add-Drop Multiplexing Function at the customer premises designated Node location on the Self-Healing Network. This Hub Node Capacity rate applies per month for each customer premises located on the SHNS.

(C)

DS1 ports may also be ordered via the DS1 port drop capability. Each DS1 Port drop capability allows for 84 DS1 ports with a maximum of two per node; therefore, an Access Node can accommodate up to 168 DS1s.

(M)

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(M)

Material found on this page also appears on Page 15-7.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.1 GENERAL**

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

##### **D. Hub Port**

The Hub Port rate category provides for the DS1, DS3, STS1, OC3, OC12 and/or OC48 channelization that must take place at each Hub Node that resides on the SHNS. The Hub Port rate element applies per month. The quantity of Ports is determined based on the number of DS1, DS3, STS1, OC3, OC12 and/or OC48 Ports ordered by the customer. This rate element also applies when a DS1, DS3, STS1, OC3, OC12 and/or OC48 connects to other Company DS1, DS3 Services, SST OC3, OC12 or OC48 Services or Ports (off the SHNS network connection(s)) or other Company provided Ports via a DS1, DS3, STS1, OC3, OC12 and/or OC48 Port. Connection of Company provided services to the SHNS network will only be made in Company Hub Nodes.

Rates and charges for Private Line Transport Service (PLTS) and/or Switched Access Services, as detailed in Sections 6 and/or 7, preceding, apply for each PLTS or Switched Access Service that connects to a SHNS. The Company will not apportion the monthly billing when Switched Access Services connect to SHNS. A recurring rate and/or nonrecurring charge will apply only where a DS1, DS3, STS1, OC3, OC12 and/or OC48 Port is ordered (e.g., where a DS1 or DS3 Port originates or terminates).

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(C)

Hub Ports have the option of being equipped with the capability to multiplex higher speed signals into smaller channels for distribution to other points within the ring as follows, a service known as Ring Mux Ports.

- A DS3 port of STS1 port may be configured to provide up to twenty-eight (28) 1.544 Mbps channels.
- An OC3 port may be configured to provide up to three (3) 44.736 Mbps channels.
- An OC12 port may be configured to provide up to twelve (12) 44.736 Mbps channels, four (4) 155.52 Mbps channels or any combination of 44.736 Mbps channels and 155.52 Mbps channels not to exceed 622.08 Mbps.
- An OC48 port may be configured to provide up to forty-eight (48) 44.736 Mbps channels, four (4) 622.08 Mbps channels, sixteen (16) 155.52 Mbps channels or any combination of 44.736 Mbps channels, 155.52 Mbps channels and 622.08 Mbps channels not to exceed 2.488 Gbps.

**15. SELF-HEALING NETWORK SERVICE**

**15.1 GENERAL**

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

**E. Interoffice Transport**

The Interoffice Transport rate category provides for the transmission facilities between Company wire centers located on the SHNS. The mileage used to determine the monthly rate for the Interoffice Transport is calculated based on the airline distance between the locations involved, i.e., between Hub Nodes and/or Serving Wire Centers (SWCs) serving Access Nodes.

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Mileage is billed in terms of a per mile rate between Hub Nodes and/or SWCs serving Access Nodes. To determine the total mileage rate first total the quantity of miles to be billed, compute the quantity using the V&H coordinates as set forth in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4. Then multiply the quantity of miles by the appropriate per mile rate involved.

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When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the total mileage and applying the rate. Example: To calculate the distance involved, assume a configuration consists of Hub Node (A) and three separate SWCs (B, C and D) serving three or more Access Nodes. The mileage would be calculated as the airline miles from A to B, from B to C, from C to D and from D to A. The calculation will be done in such a way so that the quantity will be the lowest amount between all Hub Nodes and/or SWCs.

(C)

In all cases, the mileage calculation will represent a closed ring. In other words, if there are just two locations, A and B, to be used in the mileage calculation, and the V and H airline mileage between A and B is 5 miles, the quantity of miles will be 10.

(N)

Mileage to or from alternate wire centers is not part of the calculation. An alternate wire center is any wire center where fiber required for the completion of the SHNS ring must pass through but one in which multiplexing equipment is not placed for the specific SHNS application i.e., if the wire center is not the location of a Hub Node or a Control Node, and is not the primary serving wire center for an Access Node, it is not part of the calculation to determine quantity of mileage.

(N)



**15. SELF-HEALING NETWORK SERVICE**

**15.1 GENERAL**

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

**F. Central Office Connecting Channel**

The Central Office Connecting Channel rate category provides for a connection within the same central office of a Hub Node or a port on a Hub Node to a different Company provided port or service at the same speed. For example, a COCC could be used to provide a connection between:

- two different SHNSs,
- a SHNS DS3 Port and a DS3 to DS1 Mux,
- a SHNS DS3 Port and a DS3 Service,
- a SHNS DS1 Port and a DS1 to DSO Mux,
- a SHNS DS1 Port to a DS3 to DS1 Mux,
- a SHNS DS1 Port and a DS1 Service,
- a SHNS OC3 Port to a Company Service OC3,
- a SHNS OC12 Port to a Company Service OC12,
- a SHNS OC48 Port to a Company Service OC48 or
- a SHNS DS1 Port and Company-provided Central Office-based service as ordered from the applicable local exchange tariff that is delivered at a minimum 1.544 Mbps speed.

One Central Office Connecting Channel charge applies per month for each connection made.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.1 GENERAL**

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

##### **G. Optional Features and Functions**

##### **1. Software Reconfiguration Capability**

Software Reconfiguration Capability (SRC) affords the customer the ability to reconfigure their existing channels within the SHNS via software commands. SRC should be either (1) ordered with the initial service, or (2) it should be stated that at some future point in time, the customer may want to add the remote reconfiguration capability feature.

This reconfiguration capability is accessible via a customer provided terminal compatible with the Company equipment used to provision the Self-Healing Network.

This optional feature and function is available with a Bandwidth Capacity of 155.52 Mbps, 622.08 Mbps, 1.244 Gbps installed after January 1, 1994 and 2.488 Gbps. SRC may be added for a Bandwidth Capacity of 1.244 Gbps that was installed prior to January 1, 1994 by upgrading the SHNS equipment as set forth in 15.4.7, following.

Once this option is selected, one Software Reconfiguration Capability monthly rate applies for each SHNS.

##### **2. OC3 CO Multiplexing**

OC3 CO Multiplexing is available on SHNS bandwidth capacities greater than or equal to 622.08 Mbps for distribution on and off the ring. The OC3 CO Multiplexer may be configured to provide eighty-four (84) 1.544 Mbps channels, three (3) 44.736 Mbps channels or any combination of 1.544 Mbps and 44.736 Mbps channels not to exceed the capacity of three (3) 44.736 Mbps channels. A COCC and OC3 CO Multiplexing 1.544 Mbps (DS1) Port or Hub Port 44.736 Mbps (DS3) is required per channel.

OC3 CO Multiplexing is available on bandwidth capacities 622.08 Mbps, 2.488 Gbps and 9.952 Gbps only. OC3 CO Multiplexing is assessed per multiplexer, per month, as set forth in 15.5, following.

**15. Self-Healing Network Service**

**15.1 General**

**15.1.2 Rate Categories (Cont'd)**

**H. Control Node**

The Control Node rate category provides remote testing, monitoring, timing, alarming, detection and retransmission of SONET optical signals. Control Nodes are located in a Company wire center or as determined by the Company for testing and monitoring purposes. Control Nodes do not offer Add-Drop multiplexing capability or port connectivity. Control Nodes are not available on a SHNS ring where the customer has a Hub Node. Control Nodes are available in bandwidth capacities of 155.52 Mbps (OC3), 622.08 Mbps (OC12), 2.488 Gbps (OC48) and 9.952 Gbps (OC192). The Control Node monthly rate applies per node location as set forth in 15.5, following.

**J. Ethernet Ports over SONET (EPoS, described in Section 7.19, preceding) (N)**

## **15. SELF-HEALING NETWORK SERVICE**

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

#### **15.1.3 DESIGN LAYOUT REPORT**

At the request of the customer, the Company will provide to the customer the make-up of the facilities and services provided under this Tariff as SHNS. This will aid the customer in designing the overall service. This information will be provided in the form of a Design Layout Report. A Mechanized Design Layout Report will be data transmitted to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed. Additional copies of the mechanized Design Layout Report will be transmitted at the customer's request for a charge per mechanized Design Layout Report transmitted as set forth in 7, preceding. At the customer's option, a hard copy of the Design Layout Report will be provided. The charge per Design Layout Report is set forth in 7, preceding.

#### **15.1.4 ORDERING OPTIONS AND CONDITIONS**

SHNS 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 SHNS (e.g., Cancellation Charges, etc.).

## **15. SELF-HEALING NETWORK SERVICE**

### **15.2 TECHNICAL PERFORMANCE SPECIFICATIONS**

All services will conform to the transmission specification standards contained in this Tariff or in the Technical References for each category of service. SHNS is described in Qwest Corporation Technical Publication PUB 77332, which also lists the Network Channel (NC) and Network Channel Interface (NCI) codes.

#### **15.2.1 SHNS DS1**

SHNS DS1, accessed via a DS1 Port, provides a high capacity channel for the transmission of 1.544 Mbps isochronous serial data.

The basic description of SHNS DS1 is the same as DS1 Service described in detail in 7.11., preceding. SHNS DS1 interfaces are also described in Qwest Corporation Technical Publication PUB 77375 and Technical Reference GR-342-CORE.

The DS1 Service Clear Channel Capability optional feature detailed in Section 7, preceding, is also available for SHNS DS1.

Provisioning DS1 Service on SHNS systems greater than or equal to 622.08 Mbps may result in a reduction of the total bandwidth that may be added or dropped at a node.

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(N)

#### **15.2.2 SHNS DS3**

SHNS DS3, accessed via a DS3 Port, provides a high capacity channel for the transmission of 44.736 Mbps isochronous serial data.

The basic description of SHNS DS3 is the same as DS3 Service described in detail in 7.12., preceding. SHNS DS3 interfaces are also described in Qwest Corporation Technical Publication PUB 77324 and Technical Reference GR-342-CORE.

#### **15.2.3 SHNS STS1**

SHNS Synchronous Transport Signal Level 1 (STS1), accessed via a STS1 Port, provides a high capacity channel for the transmission of 51.840 Mbps isochronous serial data.

The signal characteristics for the STS1 shall conform to those described in Qwest Corporation Technical Publication PUB 77332.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.2 TECHNICAL PERFORMANCE SPECIFICATIONS (Cont'd)**

#### **15.2.4 SHNS (155.52 Mbps) OC3**

SHNS (155.52 Mbps) OC3, accessed via an OC3 Port, provides a high capacity channel for the synchronous transmission of data at a Bandwidth of 155.52 Mbps.

The basic description of SHNS OC3 is the same as SST Bandwidth Capacity of 155.52 Mbps, as described in detail in 7.14., preceding. SHNS OC3 interfaces are also described in the following U S WEST Communications Technical Publication PUB 77346.

The customer must specify whether the OC3 Port will be utilized with or without concatenation. If concatenation is requested for a Port subsequent to the initial activation, a service rearrangement as set forth in 15.4.1, following, will apply on a per Port basis.

#### **15.2.5 SHNS (622.08 Mbps) OC12**

The SHNS (622.08 Mbps) OC12, accessed via an OC12 Port, provides a high capacity channel for the synchronous transmission of data at a Bandwidth of 622.08 Mbps.

The basic description of SHNS OC12 is the same as SST Bandwidth Capacity of 622.08 Mbps, as described in detail in 7.14., preceding. SHNS OC12 interfaces are also described in the following U S WEST Communications Technical Publication PUB 77346.

The customer must specify whether the OC12 Port will be utilized with or without concatenation. If concatenation is requested for a Port subsequent to the initial activation, a service rearrangement as set forth in 15.4.1, following, will apply on a per Port basis.

**15. SELF-HEALING NETWORK SERVICE**

**15.2 TECHNICAL PERFORMANCE SPECIFICATIONS (Cont'd)**

**15.2.6 SHNS (2.488 GBPS) OC48**

The SHNS (2.488) OC48, accessed via an OC48 Port, provides a high capacity channel for the synchronous transmission of data at a bandwidth of 2.488 Gbps.

The basic description of a SHNS OC48 is the same as a SST Bandwidth Capacity of 2.488 Gbps, as set forth in 7.2.14, preceding. SHNS OC48 interfaces are also described in the following Qwest Corporation Technical Publication PUB 77346.

The customer must specify whether the OC12 Port will be utilized with or without concatenation. If concatenation is requested for a Port subsequent to the initial activation, a service arrangement as set forth in 15.4.1, following, will apply on a per Port basis.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.2 TECHNICAL PERFORMANCE SPECIFICATIONS (Cont'd)**

#### **15.2.7 CAPACITY**

SHNS customers must specify the network capacity their SHNS will be designed to support. Available system capacities are:

Bandwidth Capacity of 155.52 Mbps

This system capacity will support SHNS that is designed to provide a capacity of up to 84 DS1s, 3 DS3s, 3 STS1s or any applicable combination.

Bandwidth Capacity of 622.08 Mbps

This system capacity will support SHNS that is designed to provide a capacity of DS1s (which will be determined by the design), up to 12 DS3s, 12 STS1s or 4 OC3s, or any applicable combination.

Bandwidth Capacity of 1.244 Gbps

This system capacity will support SHNS that is designed to provide a capacity of up to 24 DS3s, 24 STS1s, 8 OC3s or 2 OC12s, or any applicable combination.

Bandwidth Capacity of 2.488 Gbps

This system capacity will support SHNS that is designed to provide a capacity of up to 168 DS1s, 48 DS3s, 48 STS1s, 16 OC3s or 4 OC12s, or any applicable combination.

Bandwidth Capacity of 9.952 Gbps

This system capacity will support SHNS that is designed to provide a capacity of up to 672 DS1s, 192 DS3s, 192 STS1s, 64 OC3s, 16 OC12s, 4 OC48s, or any applicable combination.



## **15. SELF-HEALING NETWORK SERVICE**

### **15.3 NETWORK CHANNEL INTERFACE AND NETWORK CHANNEL CODES**

The interface with the Company network is described by an interface code for each customer termination. The interface codes for the service desired must be specified by the customer when ordering Private Line Transport Service (PLTS). This section describes the interface codes which apply specifically to SHNS. In addition, the Network Channel (NC) and Network Channel Interface (NCI) codes are set forth in Qwest Corporation Technical Publication PUB 77332.

#### **15.3.1 NETWORK CHANNEL INTERFACE CODES**

The Network Channel Interface (NCI) code is an encoded representation used to identify five interface elements located at a Point of Termination (POT) at a Central Office or customer location. The Interface elements are: Total Conductors, Protocol, Impedance, Protocol Options and Transmission Level Points (TLP). The NCI code is a maximum twelve-character code that consists of five data elements:

- Total conductors (character positions 1 and 2) is a two-character numeric code that represents the total number of physical conductors (i.e., wires) required at the interface.
- Protocol (character positions 3 and 4) is a two-character alpha code that defines requirements for the interface regarding signaling/transmission.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.3 NETWORK CHANNEL INTERFACE AND NETWORK CHANNEL CODES**

#### **15.3.1 NETWORK CHANNEL INTERFACE CODES (Cont'd)**

- Impedance (character position 5) is a one-character alpha or numeric code representing the nominal reference impedance that will terminate the channel for the purpose of evaluating transmission performance.
- Protocol Options (character positions 7, 8 and 9) is a one to three-character alpha, numeric or alphanumeric code that describes additional features, (e.g., bit rate, etc.) on the Protocol to be used.
- Transmission Level Point(s) (character positions 8 through 12), per left justification rules, is an assigned one or two-character alpha code corresponding to a value for the transmission level point(s) from either the Local Exchange Carrier or customer. This NCI data element is not used at digital interfaces.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.3 NETWORK CHANNEL INTERFACE AND NETWORK CHANNEL CODES**

#### **15.3.1 NETWORK CHANNEL INTERFACE CODES (Cont'd)**

##### **A. SHNS Network Channel Interface Codes**

The allowable Network Channel Interface codes for SHNS are as follows:

<b>NCI CODE</b>	<b>SHNS CAPACITY</b>
02FCF.B	155.52 Mbps
02FCF.D	622.08 MBps
02FCF.F	1.244 Gbps
02FCF.H	2.488 Gbps
<b>DS3 OR DS1 INTERFACE</b>	
04DS6.44	DS3 Hierarchy Interface
04DS9.15	DS1 Hierarchy (Carrier) Interface, SF/AMI
04DS9.15K	DS1 Hierarchy (Carrier) Interface, pre-ANSI ESF/AMI
04DS9.15S	DS1 Hierarchy (Carrier) Interface, pre-ANSI ESF/B8ZS
04DS9.1K	DS1 Hierarchy (Carrier) Interface, ANSI ESF/AMI
04DS9.1S	DS1 Hierarchy (Carrier) Interface, ANSI ESF/B8ZS
04DU9.BN	DS1 Access (End User) Interface, SF/AMI, Without Line Power
04DU9.DN	DS1 Access (End User) Interface, SF/B8ZS, Without Line Power
04DU9.CN	DS1 Access (End User) Interface, pre-ANSI ESF/AMI, Without Line Power
04DU9.SN	DS1 Access (End User) Interface, pre-ANSI ESF/B8ZS Without Line Power
04DU9.1KN	DS1 Access (End User) Interface, ANSI ESF/AMI, Without Line Power
04DU9.1SN	DS1 Access (End User) Interface, ANSI ESF/B8ZS Without Line Power

## **15. SELF-HEALING NETWORK SERVICE**

### **15.3 NETWORK CHANNEL INTERFACE AND NETWORK CHANNEL CODES (Cont'd)**

#### **15.3.2 NETWORK CHANNEL CODES**

The Network Channel (NC) code is an encoded representation used to identify both switched and non-switched channel services. Included in this code set are customer options associated with individual channel services, or feature groups and other switched services.

The NC code is a four-character code that consists of two data elements.

- The Channel Service code (character positions 1 and 2) is a two-character alpha or alphanumeric code that describes the channel service in an abbreviated form.
- The Optional Feature code (character positions 3 and 4) is a two-character alpha, alphanumeric or hyphen code that represents the option codes available for each channel service code.

The allowable Network Channel codes for Self-Healing Network Service are as follows:

HFPS	DS3 Channel on Self-Healing Network
HFPQ	DS3 Channel to a DS1 Channel Multiplexing on a Self-Healing Network
HCPS	DS1 Channel on Self-Healing Network
HCPQ	DS1 Channel to a DS1 Channel Multiplexing on a Self-Healing Network
HH-S	Self-Healing Network
HHRS	Self-Healing Network with Software Reconfiguration Capability option.
HOR	Synchronous Digital High Capacity (Optical Capacity 1 and Higher) using a Ring Topology.
HORC	Synchronous Digital High Capacity (OC1 and Higher) using a Ring Topology with Customer Software Reconfiguration Capability Option.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

This section contains the specific regulations governing the rates and charges that apply for SHNS.

#### **15.4.1 TYPES OF RATES AND CHARGES**

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

- A. Monthly rates are flat recurring rates that apply each month or fraction thereof that a SHNS is provided. For billing purposes, each month is considered to have 30 days. Monthly rates are detailed in 15.5, following.
- B. Nonrecurring charges are one-time charges that apply for a specific work activity (i.e., installation or change to an existing service).

##### **1. Installation of Service**

Nonrecurring charges apply to each service installed. Nonrecurring charges are detailed in 15.5, following.

##### **2. Service Rearrangements**

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in 5.2.5.F., preceding, or a change in the physical location of the point of termination at a customer designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in 15.4.4, following.

The charge to the customer for the service rearrangements is dependent on whether the change is administrative only in nature or involves actual physical change to the service. Administrative changes are defined in 7.1.1., preceding.

All other service rearrangements will be charged a charge equal to one-half of an Access Port Nonrecurring Charge at each location where the port termination is changed.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.1 TYPES OF RATES AND CHARGES**

B. (Cont'd)

3. Due to technological differences, DS1 Interfaces can only be ordered on SHNS installed after March 23, 1992. For customers with existing SHNS installed prior to March 23, 1992, who want to purchase DS1 Interfaces, the change to add the DS1 Interface(s) must be accomplished by upgrading the existing service as set forth in 15.4.7, following.

#### **15.4.2 SURCHARGE**

In addition to the rates and charges described in 15.4.1, preceding, there is a monthly Private Line Transport Surcharge that may apply to SHNS. This charge will be assessed in accordance with the rules and regulations set forth in 7.4.2, preceding.

#### **15.4.3 MESSAGE STATION EQUIPMENT RECOVERY CHARGE**

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to PLTS. This charge will be assessed in accordance with the rules and regulations set forth in 7.1.2., preceding.

#### **15.4.4 MOVES**

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

- The Point of Termination at the customer's premises, or
- The customer's premises.

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

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.4 MOVES (Cont'd)**

##### **A. Moves within the Same Building**

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half of the nonrecurring installation charge for the Access Port affected. There will be no change in the minimum service period requirements.

##### **B. Moves to a Different Building Utilizing Portability[1]**

Moves to a different building within the same Local Access and Transport Area (LATA) for SHNS under a Fixed Period Rate Plan in service prior to May 29, 1995 may be eligible for Portability. As of the effective date of this Tariff, May 29, 1995, customers subscribing to SHNS Fixed Period Rate Plans can move to a different building within the Company region utilizing the Termination Liability and Waiver Policy as set forth in 15.4.8, following.

##### **1. Portability Without Upgrade in Capacity**

A customer who has existing SHNS may choose to move either a portion of the Nodes and Ports or the entire existing service (all Nodes and Ports) without incurring discontinuance charges provided the following conditions are met:

- both the existing and the new services are provided solely by the Company,
- the customer's request for both the disconnect order for the existing service and the new connect order for the new service are received at the same time and must specifically reference the application of Portability,

[1] Customers with Fixed Period Rate Plans in service prior to the effective date of this Tariff, May 29, 1995, may utilize Portability until the end of their existing term, or may utilize the Termination Liability and Waiver Policy as set forth in 15.4.8, following. At the expiration of their existing Fixed Period Rate Plan, and for all new Fixed Period Rate Plans as of the effective date of this Tariff, the Termination Liability and Waiver Policy must be utilized for moves to a different building.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.4 MOVES**

##### **B.1. (Cont'd)**

- the customer's request for the disconnect order for the existing service must reference the new connect order,
- the due date of the new connect order must be on or prior to the due date of the disconnect order,
- the new SHNS must be located within the same LATA as the existing service,
- facilities exist at the new location(s),
- a fixed period rate plan for the new service must be established which meets or exceeds the remaining period of the fixed period rate plan being discontinued (for example, for a SHNS under a 60 month SHNS Fixed Period Rate Plan with 25 months remaining of the fixed service period, the fixed period rate plan for the new service must be 36 months or greater),
- the new SHNS must have a Bandwidth Capacity equal to or greater than the Bandwidth Capacity of the disconnected SHNS, and
- the new service has an equal or greater number of Nodes and Ports as the existing SHNS.

New minimum service period applies to all SHNS moved utilizing Portability. The monthly rates for the new service will be those rates in effect at the time the new service is installed. All nonrecurring charges apply for the new service. Should changes to either the disconnect order or the new connect order for Portability exclude one or more of the conditions above, applicable discontinuance and/or cancellation charges will be assessed. Additionally, charges for in-service moves which result in additional labor will be charges as set forth in Section 13, preceding.



## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.4 MOVES**

##### **B. Moves to a Different Building Utilizing Portability (Cont'd)**

##### **2. Portability With Upgrade in Capacity**

A customer who has existing SHNS may choose to move either a portion of the Nodes and Ports or the entire existing service (all Nodes and Ports) and upgrade in SHNS Bandwidth Capacity without incurring discontinuance charges provided the following conditions are met:

- both the existing and the new services are provided solely by the Company,
- the customer's request for both the disconnect order for the existing service and the new connect order for the new service are received at the same time and must specifically reference the application of Portability and upgrade in capacity,
- the customer's request for the disconnect order for the existing service must reference the new connect order,
- the due date of the new connect order must be on or prior to the due date of the disconnect order,
- the new SHNS must be located within the same LATA as the existing service,
- facilities exist at the new location(s),

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.4 MOVES**

##### **B.2.(Cont'd)**

- a fixed period rate plan for the new service must be established which meets or exceeds the remaining period of the fixed period rate plan being discontinued. For example, for a SHNS under a 60 month SHNS Fixed Period Rate Plan with 25 months remaining of the fixed service period, the fixed period service rate plan for the new service must be 36 months or greater,
- the new SHNS must have a Bandwidth Capacity greater than the Bandwidth Capacity of the disconnected SHNS, and
- the new service has an equal or greater number of Nodes and Ports as the existing SHNS.

New minimum service period applies to all SHNS moved utilizing Portability. The monthly rates for the new service will be those rates in effect at the time the new service is installed. All nonrecurring charges apply for the new service. Should changes to either the disconnect order or the new connect order for Portability exclude one or more of the conditions above, applicable discontinuance and/or cancellation charges will be assessed. Additionally, charges for in service moves which result in additional labor will be charges as set forth in Section 13, preceding.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.4 MOVES**

##### **B. Moves to a Different Building Utilizing Portability (Cont'd)**

##### **3. Portability for Ports**

A customer who has existing SHNS may choose to move a Port, either Hub or Access, from one Node to a different Node on the same SHNS without incurring discontinuance charges provided that the following conditions are met:

- the existing services are provided solely by the Company,
- the customer's request for both the disconnect order for the existing Port and the new connect order for the new Port are received at the same time and must specifically reference the application of Portability,
- the customer's request for the disconnect order for the existing service must reference the new connect order, and
- the due date of the new connect order must be on or prior to the due date of the disconnect order.

The monthly rates for the new Port will be those rates in effect at the time the new Port is installed. All nonrecurring charges apply for the new Port. The new Port will retain the original fixed period rate plan that was in effect at the time of the move. Should changes to either the disconnect order or the new connect order for Portability exclude one or more of the conditions above, applicable discontinuance and/or cancellation charges will be assessed. Additionally, charges for in service moves which result in additional labor will be charges as set forth in Section 13, preceding.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.4 MOVES (Cont'd)**

##### **C. Moves to a Different Building**

###### **1. Moves Not Eligible for Portability**

Moves to a different building for SHNS that are not eligible for Portability as set forth above will be treated as a discontinuance and start of service. All associated nonrecurring charges and discontinuance charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

###### **2. Moves of a Portion of Service**

When a SHNS Access Node provisioned in a channelized arrangement or a Port is disconnected and a new channelized SHNS Access Node or Port is installed at a new customer premises, same serving wire center, but the associated services remain in place, the nonrecurring charge to move the channelized Access Node will be the nonrecurring charge of the associated Access Port. No charge will be assessed for the remaining services. Discontinuance charges or Termination Liability and Waiver Policy will apply.

The new SHNS Access Node or Port must be the same transmission speed as the SHNS Access Node or Port which is being disconnected. New minimum period requirements, as set forth in 5.2.5, will apply. Any changes to the existing associated services will result in a discontinuance of the whole service and a start of new service and all associated nonrecurring charges and new minimum period requirements will apply. The addition of new lower speed services made in conjunction with this move will be treated as new service and appropriate nonrecurring charges and new minimum period requirements will apply for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

##### **D. Application of Special Construction for Moves to a Different Building**

In any case for Moves as set forth in A., B., or C., preceding, Special Construction as referenced in 15.1.1 may also apply, i.e., if there is outstanding Special Construction at either the original and/or new location, rules as applicable in Tariff F.C.C. No. 2 apply.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS (Cont'd)**

#### **15.4.5 NODE ADDITIONS**

Node Additions occur when either an Access or a Hub Node is added to an existing SHNS at the request of the customer. When a Node Addition is ordered, the Access Port nonrecurring charge and/or Hub Port nonrecurring charge will apply for each Port being added at the new Node.

#### **15.4.6 NODE CHANGES**

##### **A. Control Node to Hub Node**

At the customer's option, a Control Node may be changed to a Hub Node. The Company will equip the Control Node with the required hardware (e.g., cards, tributary shelves, cabling, etc.) to enable the node to function as a Hub Node with Add-Drop Multiplexing capability and port connectivity. Customers may order Add-Drop multiplexing capabilities and Hub ports based on the bandwidth of the converted Hub Node. Once the Control Node functions as a Hub Node, the Company will bill the Hub Node recurring charge, Add-Drop multiplexing and port charges. Nonrecurring charges as set forth in 15.5, following, apply for Hub ports and Add-Drop capabilities ordered to connect to the Hub Node. The following conditions must be met when changing a Control Node to a Hub Node

1. The order(s) to change the Control Node to a Hub Node and the order(s) for the Hub ports and/or Add-Drop multiplexing must be received by the Company at the same time. All orders must be related and reference the Control Node to Hub Node change.
2. The fixed period rate plan and minimum service period requirements of the Control Node will be changed to the Hub Node as set forth in 15.4.7.F., following.
3. The Hub Node bandwidth capacity must remain the same as the Control Node bandwidth capacity.
4. The location of the Hub node on the SHNS ring must remain in the same location as the Control Node.
5. Termination Liability will not apply. The fixed period rate plan expiration date and the minimum service period date will remain the same as set forth in 15.4.7.F., following.

**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.6 NODE CHANGES (Cont'd)**

**B. Hub Node to Control Node**

At the customer's option, a Hub Node may be changed to a Control Node. The Company will deactivate the Hub Node hardware (e.g., cards, tributary shelves, cabling, etc.) to enable the node to function as a Control Node as set forth in 15.1.2.H., preceding. Customers must disconnect the Add-Drop multiplexing capabilities and all Hub ports. Once the Hub Node functions as a Control Node, the Company will bill the Control Node recurring charge. The following conditions must be met when changing a Hub Node to a Control Node.

1. The order(s) to change the Hub Node to a Control Node and the order(s) for disconnect orders for the Hub ports and/or Add-Drop multiplexing capability must be received by the Company at the same time. All orders must be related and reference the Hub Node to Control Node change.
2. The fixed period rate plan and minimum service period requirements of the Hub Node will be changed to the Control Node as set forth in 15.4.7.G., following.
3. The Control Node bandwidth capacity must remain the same as the Hub Node bandwidth capacity.
4. The location of the Control Node on the SHNS ring must remain in the same location as the Hub Node.
5. Termination Liability will apply. The fixed service rate plan expiration date and the minimum service period will remain the same as set forth in 15.4.7.G., following.

**15. SELF-HEALING NETWORK SERVICE**

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

**15.4.7 FIXED PERIOD RATE PLANS**

Customers with the Fixed Period Rate Plans in service prior to May 29, 1995, may utilize Termination Liability and Waiver Policy as set forth in 15.4.8, following, in lieu of Discontinuance Charges as set forth in C.1. and Upgrades in Service as set forth in D., following. This offer is only valid until either the expiration date of their existing 120-month term or until May 29, 2005 for a 120-month term, whichever comes first. After May 29, 1995, Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the Fixed Period Rate Plans.

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SHNS may be ordered at the customer's option on a month-to-month basis or for fixed periods of 12, 24, 36, or 60 months. The optional rate plans allow the SHNS customer to integrate Self-Healing Network Service into their networks with the assurance of no Company-initiated changes in rates during the fixed period.

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As of January 27, 1997, 120-month Fixed Period Rate Plan is limited to existing customers only. Customers with the 120-month Fixed Period Rate Plan in service prior to January 27, 1997, may continue their 120-month Fixed Period Rate Plan until the expiration date of their Plan or until January 27, 2007, whichever comes first. If the service is moved or disconnected as set forth in Section 5.2.5.F., the 120-month Fixed Period Rate Plan may not be reestablished. After January 27, 1997, new customers may not subscribe to 120-month Fixed Period Rate Plan.

**A. General**

Customers may subscribe to SHNS on a month-to-month basis with a minimum service period of 12 months, except for all SHNS Ports which have a minimum period of 1 month or as specified in 2.4.2, preceding.. Alternatively, the customer may subscribe to a 12-, 24-, 36- or 60-month Fixed Period Rate Plan. The customer must specify the length of the Fixed Period Rate Plan at the time the service is ordered.

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## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.7 FIXED PERIOD RATE PLANS**

##### **A. General (Cont'd)**

For customers who subscribe to the Fixed Period Rate Plan, the monthly rates for the entire fixed period will be frozen from Company-initiated changes at the rates in effect for the fixed period on the service date. At the end of the fixed period, the customer may convert to month-to-month rates or subscribe to a new Fixed Period Rate Plan. The monthly rates will be adjusted to those in effect for the new Fixed Period Rate Plan. Should the customer not make a choice by the end of the fixed period, the rates will automatically revert to the month-to-month options.

If a rate decrease occurs during the term of an existing Fixed Period Rate Plan, the reduced rates will automatically be applied to the time remaining in the service period.[1]

The Self-Healing Network rate elements may be ordered individually under the month-to-month or any of the available Fixed Period Rate Plans. Subsequent Self-Healing Network rate elements may be ordered with the same fixed period or a lesser fixed period, not to exceed the remaining months of the original fixed period establishment date.

1. When the customer's Self-Healing Network rate elements are ordered under the same Fixed Period Rate Plan, all Self-Healing Network rate elements will expire on the same date regardless of when they are ordered (e.g., if the Access Node is in month 10 of a 60 month fixed period when the customer orders an OC3 port 60 month fixed period, the OC3 port will be billed at the 60 month rate for the next 50 months).
2. When the customer orders a Self-Healing Network rate element under a fixed period service plan for a lesser number of months than other fixed period rate elements, the rate element with the lesser number of months will expire based upon its expiration date (e.g., if the customer's Access Node is a 60 month fixed period rate with 40 months remaining and the customer orders an OC3 port under a 36 month fixed period service rate plan, the OC3 port will be billed at the 36 month rate for the next 36 months).
3. Customers may order month-to-month service in combination with any fixed period service rate plan.

- [1] Effective September 1, 1998, customers establishing a Fixed Period Rate Plan, will not receive a rate decrease if the Company decreases rates during the term of the plan. Fixed Period Rate Plans established on or before August 31, 1998, will automatically receive a rate decrease if the Company decreases rates during the term of the plan.



**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS (Cont'd)**

**B. Upgrades in Rate Plans**

1. Upgrades of Existing Month-to-Month SHNS and of Fixed Period Rate Plans Which Have More Than Six Months Before the Expiration Date[1]

(C)

Services under the month-to-month plan may be upgraded to a Fixed Period Rate Plan at any time the customer chooses without incurring nonrecurring charges, discontinuance charges or Termination Liability. New minimum service periods apply to all upgrades.

Services currently under a Fixed Period Rate Plan which have more than six months before the expiration date of the fixed period may be upgraded to a new Fixed Period Rate Plan without incurring nonrecurring charges, discontinuance charges or Termination Liability. This upgrade will be allowed provided the channel interface and the customer designated premises remain the same. Additionally, the new Fixed Period Rate Plan must meet or exceed the Fixed Period Rate Plan being upgraded. For example, a 36 month Fixed Period Rate Plan may be upgraded to a new 36 month, or longer, Fixed Period Rate Plan. The monthly rates will be those that are in effect at the time the service is upgraded. New minimum service periods apply to all upgrades.

[1] SHNS Ports are billed on a monthly basis only and will be renewed at the current Month-to-Month rate, discounts will not apply.

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**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS**

**B. Upgrades in Rate Plans (Cont'd)**

2. Upgrades of Existing 12 Month Fixed Period Rate Plans With Six Months or Less Before the Expiration Date[1]

(C)

Customers with an existing 12 Month Fixed Period Rate Plan which is within six (6) months of the expiration date may upgrade to a new 12 Month or greater Fixed Period Rate Plan with an additional 10% (ten percent) discount over the customers' existing 12 Month Fixed Period Rate Plan rates. Termination Liability and Waiver Policy as set forth in 15.4.8, will not apply

The new 12 Month or greater Fixed Period Plan with the additional discount will apply to all rate elements under the existing 12 Month Fixed Period Plan, excluding the Interoffice Transport and Software Reconfiguration Capability. The upgrade to a new Fixed Period Rate Plan with the additional discount is available only once for any given SHNS. A new minimum service period does not apply to these upgrades, however the Termination Liability and Waiver Policy as set forth in 15.4.8, following, will apply to new Fixed Period Rate Plan upgrades that are effective as of March 23, 2004.

To be eligible for the upgrade to a new 12 Month or greater Fixed Period Rate Plan with the additional discount the following conditions must be met :

- The SHNS is provided by the Company,
- The customer must upgrade to a new 12 Month or greater Fixed Period Rate on the expiration date of the existing 12 Month Fixed Period Plan, and
- The SHNS channel interface and the customer designated premises must remain the same.

[1] SHNS Ports are billed on a monthly basis only and will be renewed at the current Month-to-Month rate, discounts will not apply.

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## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.7 FIXED PERIOD RATE PLANS**

##### **B. Upgrades in Rate Plans (Cont'd)**

3. Upgrades of Existing 24 Month Fixed Period Rate Plans With Six Months or Less Before the Expiration Date[1]

(C)

Customers with an existing 24 Month Fixed Period Rate Plan which is within six (6) months of the expiration date may upgrade to a new 24 Month or greater Fixed Period Rate Plan with an additional 10% (ten percent) discount over the customers' existing 24 Month Fixed Period Rate Plan rates. Termination Liability and Waiver Policy as set forth in 15.4.8, will not apply.

The new 24 Month or greater Fixed Period Plan with the additional discount will apply to all rate elements under the existing 24 Month Fixed Period Plan, excluding the Interoffice Transport and Software Reconfiguration Capability. The upgrade to a new Fixed Period Rate Plan with the additional discount is available only once for any given SHNS. A new minimum service period does not apply to these upgrades, however the Termination Liability and Waiver Policy as set forth in 15.4.8, following, will apply to new Fixed Period Rate Plan upgrades that are effective as of March 23, 2004.

To be eligible for the upgrade to a new 24 Month or greater Fixed Period Rate Plan with the additional discount the following conditions must be met :

- The SHNS is provided by the Company,
- The customer must upgrade to a new 24 Month or greater Fixed Period Rate Plan at any time during the last six months of the existing 24 Month Fixed Period Plan, and
- The SHNS channel interface and the customer designated premises must remain the same.

[1] SHNS Ports are billed on a monthly basis only and will be renewed at the current Month-to-Month rate, discounts will not apply.

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**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS**

**B. Upgrades in Rate Plans (Cont'd)**

4. Upgrades of Existing 36 Month Fixed Period Rate Plans With Six Months or Less Before the Expiration Date[1]

(C)

Customers with an existing 36 Month Fixed Period Rate Plan which is within six (6) months of the expiration date may upgrade to a new 36 Month or greater Fixed Period Rate Plan with an additional 10% (ten percent) discount over the customers' existing 36 Month Fixed Period Rate Plan rates. Termination Liability and Waiver Policy as set forth in 15.4.8, will not apply.

The new 36 Month or greater Fixed Period Plan with the additional discount will apply to all rate elements under the existing 36 Month Fixed Period Rate Plan, excluding the Interoffice Transport and Software Reconfiguration Capability. The upgrade to a new Fixed Period Rate Plan with the additional discount is available only once for any given SHNS. A new minimum service period does not apply to these upgrades, however the Termination Liability and Waiver Policy as set forth in 15.4.8, following, will apply to new Fixed Period Rate Plan upgrades that are effective as of March 23, 2004.

To be eligible for the upgrade to a new 36 Month or greater Fixed Period Rate Plan with the additional discount the following conditions must be met:

- The SHNS is provided by the Company,
- The customer must upgrade to a new 36 Month or greater Fixed Period Rate Plan at any time during the last six months of the existing 36 Month Fixed Period Plan, and
- The SHNS channel interface and the customer designated premises must remain the same.

[1] SHNS Ports are billed on a monthly basis only and will be renewed at the current Month-to-Month rate, discounts will not apply.

(N)  
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**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS**

**B. Upgrades in Rate Plans (Cont'd)**

5. Upgrades of Existing 60 Month Fixed Period Rate Plans With 12 Months or Less Before the Expiration Date[1]

(C)

Customers with an existing 60 Month Fixed Period Rate Plan which is within 12 months of the expiration date may upgrade to a new 60 Month Fixed Period Rate Plan with an additional 10% (ten percent) discount over the customers' existing 60 Month Fixed Period Rate Plan rates. Termination Liability and Waiver Policy as set forth in 15.4.8, will not apply.

The new 60 Month Fixed Period Rate Plan with the additional discount will apply to all rate elements under the existing 60 Month Fixed Period Rate Plan, excluding the Interoffice Transport and Software Reconfiguration Capability. The upgrade to a new Fixed Period Rate Plan with the additional discount is available only once for any given SHNS. A new minimum service period does not apply to these upgrades, however the Termination Liability and Waiver Policy as set forth in 15.4.8, following, will apply to new Fixed Period Rate Plan upgrades that are effective as of March 23, 2004.

To be eligible for the upgrade to a new 60 Month Fixed Period Rate Plan with the additional discount the following conditions must be met:

- The SHNS is provided by the Company,
- The customer must upgrade to a new 60 Month Fixed Period Rate Plan at any time during the last 12 months of the existing 60 Month Fixed Period Plan, and
- The SHNS channel interface and the customer designated premises must remain the same.

[1] SHNS Ports are billed on a monthly basis only and will be renewed at the current Month-to-Month rate, discounts will not apply.

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**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS (Cont'd)**

**C. Discontinuance Charges[1]**

1. If the customer chooses to discontinue all or a portion of the service before the expiration of the Fixed Period Rate Plan, discontinuance charges will apply.

Should the customer choose to discontinue the Fixed Period Rate Plan prior to completion of the minimum service period, discontinuance charges will apply. Discontinuance charges equal to one-hundred percent of the total monthly charges for the remaining months of the minimum service period, plus fifty percent of the total monthly charges for the remaining portion of the Fixed Period Rate Plan will apply.

Should the customer choose to discontinue the Fixed Period Rate plan after the minimum service period but before the completion of the Fixed Period Rate Plan, discontinuance charges will apply. Discontinuance charges equal to fifty percent of the total monthly charges for the remaining portion of the Fixed Period Rate Plan will apply.

- [1] Customers with the Fixed Period Rate Plan in service prior to the effective date of this Tariff, May 29, 1995, may utilize Termination Liability and Waiver Policy as set forth in 15.4.8, following, in lieu of Discontinuance Charges as set forth in C.1. This offer is valid until either the expiration date of their existing term or until May 29, 1996 for a 12 month term, May 29, 1997 for a 24 month term, May 29, 1998 for a 36 month term, May 29, 2000 for a 60 month term and May 29, 2005 for a 120 month term, whichever comes first. After the effective date of this Tariff, Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the Fixed Period Rate Plan.

**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS**

**C. Discontinuance Charges (Cont'd)**

2. Discontinuance charges do not apply to fixed period services purchased by local, State or Federal government entities (or to customers who have purchased services solely for resale to local, State or Federal government entities) when they are discontinued prior to the completion of the fixed period service only when all of the following conditions are met:
  - The service(s) purchased by the local, State or Federal government entity or by customers who have purchased services for resale to local, State or Federal government entities are utilized solely for provision of services for that local, State or Federal government entity;
  - Funding for the fixed period service ordered by the authorized local, State or Federal government entity is included in the budget request for each fiscal period appropriation sufficient to cover the authorized local, State or Federal government entity's obligations under the fixed period service for that fiscal period;
  - Nonappropriation may not be used as a means of terminating the service to acquire a functionally similar product or service;
  - The local, State or Federal government entity ordered the fixed period service under the good faith belief that moneys in amounts sufficient to discharge its obligations could and would lawfully be appropriated and be made available for this purpose and;

**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS**

**C.2. (Cont'd)**

- The local, State or Federal government entity or the customer who ordered the service on their behalf, must provide the Telephone Company notarized documents agreed upon by both the Telephone Company and the customer, showing that the entity is allotted insufficient funds for the remainder of the then current fiscal period (or for a succeeding fiscal period) by appropriation, appropriation limitation or grant to continue payments under the fixed period service and has no other funding source lawfully available to it for such purpose. The fixed period service may be terminated by giving the Telephone Company not less than thirty (30) days written notice. (Should the customer receive funding for the cancelled service prior to physical disconnect of service, the customer may cancel the disconnect order per Section 5.) Upon termination, the local, State or Federal government entity or the customer who ordered the service on their behalf, shall pay all applicable rates and nonrecurring charges of the fixed period service incurred through the date of termination and through the end of the then current fiscal period to the extent of lawfully available funds.



## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.7 FIXED PERIOD RATE PLANS (Cont'd)**

##### **D. Upgrades in Service[1]**

##### **1. Upgrade of Entire Service or Services to SHNS**

The Fixed Period Rate Plan discontinuance charges will be waived in the event that a customer changes an entire existing Section 7 Fixed Period Service Rate Plan (DS3 or SST) service to an equivalent or greater capacity SHNS, provided that the conditions outlined below are met.

In addition, Fixed Period Rate Plan discontinuance charges will be waived in the event that a customer upgrades their existing SHNS to a higher capacity SHNS (e.g., Bandwidth Capacity of 622.08 Mbps to a Bandwidth Capacity of 1.244 Gbps), adds the Software Reconfiguration Option or changes out the SHNS electronics to accommodate DS1 Interfaces provided that:

- The higher capacity service (e.g., SHNS) is provided by the Company,
- The order for the disconnect of the existing Fixed Period service and the order for the new connect of the new Fixed Period Rate Plan are received by the Company at the same time,

[1] Customers with the Fixed Period Rate Plan in service prior to the effective date of this Tariff, May 29, 1995, may utilize Termination Liability and Waiver Policy as set forth in 15.4.8, following, in lieu of Upgrades in Service. This offer is valid until either the expiration date of their existing term or until May 29, 1996 for a 12 month term, May 29, 1997 for a 24 month term, May 29, 1998 for a 36 month term, May 29, 2000 for a 60 month term and May 29, 2005 for a 120 month term, whichever comes first. After the effective date of this Tariff, Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the Fixed Period Rate Plan.

**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS**

D.1. (Cont'd)

- the new service is provided between the same customer locations as the discontinued service or services,
- the new service has a total voice equivalent capacity equal to or greater than the total voice equivalent capacity of the entire service or entire multiple services being discontinued, and
- the new Fixed Period Rate Plan meets or exceeds the months remaining on the longest existing DS3 Fixed Period Rate Plan or Plans being discontinued, or
- the new Fixed Period Rate Plan meets or exceeds 60 months and creates a net increase in Billed Revenue.

For service upgrades, the nonrecurring charges set forth in 15.5, following, will apply to the portion of the service being upgraded. No charges will apply to the remaining portion of the service. New minimum service periods apply to all upgrades.

**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS**

**D. Upgrades in Service (Cont'd)**

**2. Upgrade of entire DS3 Service or Per DS3 to a new Node on an existing SHNS**

The Fixed Period Rate Plan discontinuance charges will be waived in the event that a customer changes an entire existing Section 7 DS3 Service under Fixed Period Service Rate Plan or a Per DS3 to a new SHNS Node of equivalent or greater capacity, provided that the conditions outlined below are met:

- the new Node is provided by the Company,
- the order for the disconnect of the existing Fixed Period service and the order for the new connect of the new Fixed Period Rate Plan for the new Node are received by the Company at the same time,
- the new service is provided between the same customer locations as the discontinued service or services,
- the new Node has a Bandwidth Capacity equal to the existing SHNS, and
- the new Fixed Period Rate Plan meets or exceeds the months remaining on the longest existing DS3 Fixed Period Rate Plan or Plans being discontinued or
- the new Fixed Period Rate Plan meets or exceeds 60 months and creates a net increase in Billed Revenue.

For service upgrades, the nonrecurring charges set forth in 15.5, following, will apply to the portion of the service being upgraded. No charges will apply to the remaining portion of the service. New minimum service periods apply to all upgrades.

**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS**

**D. Upgrades in Service (Cont'd)**

**3. Upgrade of per DS3 to SHNS**

The Fixed Period Rate Plan discontinuance charges will be waived in the event that a customer changes a per DS3(s) on an existing Section 7 Fixed Period Service Rate Plan (DS3) service or services provided that the DS3 system capacity is retained under the existing DS3 Fixed Period Rate Plan to an equivalent or greater capacity SHNS, provided that the conditions outlined below are met:

- The higher capacity service (e.g., SHNS) is provided by the Company,
- The order for the disconnect of the existing Fixed Period service or services and the order for the new connect of the new Fixed Period Rate Plan are received by the Telephone Company at the same time,
- The new service is provided between the same customer locations as the discontinued service or services,
- The new service has a total voice equivalent capacity equal to or greater than the total voice equivalent capacity of the service or services being discontinued and
- The new Fixed Period Rate Plan meets or exceeds the Fixed Period Rate Plan or Plans being discontinued.

For service upgrades, the nonrecurring charges set forth in 15.5, following, will apply to the portion of the service being upgraded. No charges will apply to the remaining portion of the service. New minimum service periods apply to all upgrades.

**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS**

**D. Upgrades in Service (Cont'd)**

**4. Upgrade of Portions of a DS3 Service or Multiple DS3 Services to SHNS**

The Fixed Period Rate Plan discontinuance charges will be waived in the event that a customer upgrades a portion of an existing DS3 Service or multiple DS3 Services to an equivalent or greater capacity SHNS and the customer retains and combines the remaining portion of the existing service or services into a new DS3 Service, provided that the conditions outlined below are met:

- The higher capacity SHNS and new DS3 Service are provided by the Company,
- The order for the disconnect of the existing Fixed Period DS3 service or services and the order for the new connect of the new Fixed Period Rate Plan for the new SHNS and new DS3 Service are received by the Telephone Company at the same time,
- The new SHNS and new DS3 Service are provided between the same customer locations as the discontinued service or services,
- The new SHNS and new DS3 Service have a total voice equivalent capacity equal to or greater than the total voice equivalent capacity of the service or services being discontinued,
- The new SHNS Fixed Period Rate Plan meets or exceeds the months remaining on the longest existing DS3 Fixed Period Rate Plan or Plans being discontinued or
- The new SHNS Fixed Period Rate Plan meets or exceeds 60 months and creates a net increase in Billed Revenue and
- The new DS3 Service Fixed Period Rate Plan meets or exceeds the longest DS3 Fixed Period Rate Plan being disconnected.

**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS**

D.4. (Cont'd)

For service upgrades, the nonrecurring charges set forth in 15.5, following, will apply to the portion of the service being upgraded. Nonrecurring charges for the new DS3 Service as set forth in Section 7, preceding, will apply. No charges will apply to the remaining portion of the service. New minimum service periods apply to all upgrades.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.7 FIXED PERIOD RATE PLANS (Cont'd)**

**E. Extension of Fixed Period Rate Plan[1]**

(C)

Customers with SHNS under a 24, 36 or 60 month Fixed Period Rate Plan that is within 6 months of expiration may extend their Fixed Period Rate Plan rates for an initial period of 12 months by notifying the Company in writing of their intent to do so. The extension of the Fixed Period Rate Plan will begin on the same day that the Fixed Period Rate Plan was to expire. Extension of an existing Fixed Period Rate Plan is available only for the original customer of record for the SHNS.

Any customer who extended their Fixed Period Rate Plan rates for an initial 12 month period may extend their Fixed Period Rate Plan rates for a second 12 month period by notifying the Company in writing of their intent to do so. At the end of the second extension, the Fixed Period Rate Plan will change to the current month-to-month rates or the customer may choose to subscribe to a new Fixed Period Rate Plan at the current rates.

**F. Change of a Fixed Period Rate Plan from a Control Node to a Hub Node**

At the customer's option a Control Node can be changed to a Hub Node as set forth in 15.4.6, preceding. The same fixed period rate plan and minimum service period dates for the Control Node apply to the Hub Node. All fixed period rate plans for the Hub ports and Add-Drop multiplexing capabilities ordered to connect to the Hub port must expire on or before the expiration date of the fixed period plan of the Hub Node. Nonrecurring charges for the Hub ports and Add-Drop multiplexing capabilities apply as set forth in 15.5, following.

**G. Change of a Fixed Period Rate Plan from a Hub Node to a Control Node**

At the customer's option a Hub Node can be changed to a Control Node as set forth in 15.4.6, preceding. The same fixed period rate plan and minimum service period dates for the Hub Node apply to the Control Node. Termination Liability for the Hub Node, Add-Drop Multiplexing capability and all Port recurring rate elements apply as set forth in 15.4.8, following.

[1] SHNS Ports are billed on a monthly basis only and will be renewed at the current Month-to-Month rate.

(N)  
(N)

**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS (Cont'd)**

H. Welcome to Qwest Promotion – July 15, 2001 through October 13, 2001

The Welcome to Qwest promotion is available upon request from July 15, 2001 through October 13, 2001. The Welcome to Qwest promotion is available to business customers that are requesting in-region Qwest Private Line DS1, DS3, SST, and SHNS services for the first time and subscribing to a 3- or 5-year term. This promotion is available only in locations where existing facilities are available. This promotion excludes services requiring facilities construction.

Additional terms and conditions apply as specified in 7.1.9.M.

(C)  
(D)  
(N)  
—  
(N)



**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.7 FIXED PERIOD RATE PLANS (Cont'd)**

**J. SHNS Promotion – April 2, 2001 through June 29, 2001**

(N)

The following promotional offering is available to new or existing customers who subscribe to a new 36- or 60-month fixed period rate plan from April 2, 2001 through June 29, 2001. These offerings are only available where facilities exist. New plans may not be combined with any other promotion or discount, such as SHNS Revenue Plan.

The customers will receive credit for nonrecurring charges, and the credit will appear on their first bill following the installation, where applicable. All credits will be forfeited, on a per plan basis, if a customer terminates any of these promotional fixed period rate plans prior to the expiration date of the plan. Any credits already given for the terminated plan will be included in the termination liability charges.

The minimum service period and termination liability charges will be waived when an upgrade is made to either of these offerings at the same location.

When a customer subscribes to a 36- or 60-month plan for new SHNS of any offered capacity or moves from month-to-month or another service and subscribes to a 36- or 60-month plan, the customer will receive fixed period rate plan pricing credits as follows:

Customers who subscribe to a 36-month plan for new SHNS will receive credit for 2 months of recurring charges. The recurring credit will be applied as follows: the first month will be applied to the 24th full billing month and the second month will be applied to the 36th full billing month.

Customers who subscribe to a 60-month plan for new SHNS will receive credit for 3 months of recurring charges. The recurring credit will be applied as follows: the first month will be applied to the 24th full billing month, the second month will be applied to the 36th full billing month and the third month will be applied to the 48th full billing month.

(N)

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS (Cont'd)**

#### **15.4.8 TERMINATION LIABILITY AND WAIVER POLICY**

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

Termination Liability and Waiver Policy provides the terms and conditions for customers subscribing to Fixed Period Rate Plan, as well as Portability in 15.4.4, preceding. As of the effective date of this Tariff, new customers subscribing to the Fixed Period Rate Plan, are subject to the Termination Liability and Waiver Policy terms and conditions in lieu of the Discontinuance Charges and Upgrades in Service as set forth in the Fixed Period Rate Plan. Customers with Fixed Period Rate Plans in service prior to the effective date of this Tariff, May 29, 1995, may utilize the terms and conditions of the existing Fixed Period Rate Plan or the Termination Liability and Waiver Policy. This offer is valid until either the expiration date or the termination of the existing term.

##### **B. Termination Liability[1]**

If a customer chooses to discontinue the entire service or a portion of the service prior to the expiration of the fixed period service, termination charges apply (unless the customer satisfies the conditions specified in the Waiver Policy as set forth in C., following). Should the customer choose to discontinue fixed period service prior to completion of the minimum service period, termination charges equal to one-hundred percent (100%) of the total monthly charges for the remaining months of the minimum service period, plus seventy percent (70%) of the total current monthly charges for the remaining portion of the term will apply. Should the customer choose to discontinue fixed period service after the completion of the minimum period, termination charges equal to seventy percent (70%) of the total current monthly charges for the remaining portion of the term will apply. For example, if a customer discontinues service after completing 17 months of a 36 month term, the termination charge will be the current monthly rate for the service multiplied by 70%, multiplied by 19 months.

- [1] Customers with Pricing Plans in service prior to August 12, 1997, will retain a Termination Liability of 15% until the expiration of their existing fixed period. Customers eligible to upgrade their existing Rate Plan, as set forth in 15.4.7.B., preceding, will retain a Termination Liability of 15% until the expiration of their newly upgraded fixed period.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.8 TERMINATION LIABILITY AND WAIVER POLICY (Cont'd)**

##### **C. Waiver Policy**

A waiver of the termination charge as set forth in B., preceding, may occur if the customer migrates to another Company service (e.g., SHNS to DS3 Service) provided all of the following conditions are met:

- The customer must agree to a new fixed period service for the new service;
- The customer must satisfy the minimum service period requirement, except as set forth in 2.4.2. Should the customer choose to discontinue fixed period service prior to completion of the minimum service period, termination charges equal to 100% of the total monthly charges for the remaining months of the minimum service period, will apply;
- The total value of the new service must be equal to or greater than 115% of the remaining value of the existing pricing plan service. Nonrecurring charges and Special Construction charges will not be used towards the Waiver calculation;
- The order to disconnect the existing service and the order for the new service are received by the Company at the same time and both orders must reference the application of the waiver policy;
- The new service due date must be on or before the due date of the disconnection of the old service, unless the installation is delayed due to Company reasons;
- A new minimum service period applies to the new service; and
- The customer agrees to pay all outstanding recurring and nonrecurring charges. These charges will not be included in the new service fixed period rate plan.

**15. SELF-HEALING NETWORK SERVICE**

**154 RATE REGULATIONS**

**15.4.8 TERMINATION LIABILITY AND WAIVER POLICY (Cont'd)**

**D. Nonappropriations Clause**

Termination charges do not apply to fixed period services purchased by local, State or Federal government entities (or to customers who have purchased services solely for resale to local, State or Federal government entities) when they are discontinued prior to the completion of the fixed period service only when all of the following conditions are met:

- The service(s) purchased by the local, State or Federal government entity or by customers that have purchased services for resale to local, State or Federal government entities are utilized solely for provision of services for that local, State or Federal government entity,
- Funding for the fixed period service ordered by the authorized local, State or Federal government entity is included in the budget request for each fiscal period appropriation sufficient to cover the authorized local, State or Federal government entity's obligations under the fixed period service for that fiscal period,
- Nonappropriation may not be used as a means of terminating the service to acquire a functionally similar product or service,
- The local, State or Federal government entity ordered the fixed period service under the good faith belief that moneys in amounts sufficient to discharge its obligations could and would lawfully be appropriated and be made available for this purpose, and

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.8 TERMINATION LIABILITY AND WAIVER POLICY**

##### **D. Nonappropriations Clause (Cont'd)**

- The local, State or Federal government entity or the customer who ordered the service on their behalf, must provide the Company notarized documents agreed upon by both the Company and the customer, showing that the entity is allotted insufficient funds for the remainder of the then current fiscal period (or for a succeeding fiscal period) by appropriation, appropriation limitation or grant to continue payments under the fixed period service and has no other funding source lawfully available to it for such purpose. The fixed period service may be terminated by giving the Company not less than thirty (30) days' written notice. (Should the customer receive funding for the canceled service prior to physical disconnect of service, the customer may cancel the disconnect order per Section 5, preceding). Upon termination, the local, State or Federal government entity or the customer who ordered the service on their behalf, shall pay all applicable rates and nonrecurring charges of the fixed period service incurred through the date of termination and through the end of the then current fiscal period to the extent of lawfully available funds.

#### **15.4.9 SPREAD OF NONRECURRING CHARGES AND PREPAYMENT DISCOUNT**

##### **A. Spread of Nonrecurring Charges**

At the customer's request, nonrecurring charges for SHNS provided under a SHNS Pricing Plan may be amortized over the term of the fixed period and billed monthly. Nonrecurring charges billed in this manner (i.e., as an annuity), shall be subject to interest charges which the Company will include in each monthly installment. The Company will calculate the monthly annuity as set forth in 7.1.1., preceding.

##### **B. Prepayment Discount**

At the customer's request, recurring rates for SHNS provided under a SHNS Pricing Plan may be prepaid in whole or in part. The Company will calculate the prepayment amount using the formula as set forth in 7.1.1., preceding.

## **15. SELF-HEALING NETWORK SERVICE**

### **15.4 RATE REGULATIONS**

#### **15.4.10 SHNS REVENUE PLAN**

SHNS Revenue Plan (SRP) offers customers a reduction in the rates for the following elements: OC12 and OC48 Hub Nodes/Access Nodes and Hub/Access DS3 Ports on OC12 only. Customers qualify for the SRP rate reduction when the customer's total annual interstate Private Line Transport (Sections 7 and 15) revenue amount falls within the revenue level categories available under the SRP as set forth in 15.5.1.A., following.

Once the Company determines the customer's total interstate revenue amount, the Company will assign the SRP revenue level category. The revenue level category rate elements are stabilized for the duration of SRP fixed period.

SRP is available for a 60-month Fixed Period Rate Plan only. The minimum service period for a SRP is 12 months, except as set forth in 2.4.2. All other rate elements of the customer's SHNS configuration are billed under the terms and conditions of a 60-month SHNS Fixed Period Rate Plan only, as set forth in 15.4.7, preceding. The customer's start and expiration dates for SRP and the related 60-month SHNS Fixed Period Rate Plan elements must be the same date.

Existing SHNS customers with a 60-month SHNS Fixed Period Rate Plan may request the SRP when the following conditions are met:

- The SHNS is provided by the Company and the minimum service period of the existing SHNS Fixed Period Rate Plan has been met,
- The SHNS channel interface and the customer-designated premises remain the same,
- The customer meets the Waiver of termination charge as set forth in 15.4.8.C., preceding, and
- The Company determines that the customer's total interstate PLTS revenue amounts are within a SRP revenue level category.

**15. SELF-HEALING NETWORK SERVICE**

**15.4 RATE REGULATIONS**

**15.4.10 SHNS REVENUE PLAN (Cont'd)**

Customers within 6 months of the expiration date of the SRP may request a new SRP and related 60 month SHNS Fixed Period Rate Plan. The Company will re-evaluate the revenue level category based on the customer's current total interstate PLTS revenue amounts at the time of the request. The new SRP will be established with the new revenue level category. The new revenue level category will be stabilized for the duration of the new SHNS Revenue Plan. A new minimum service period will not apply to the new SRP and related 60 month SHNS Fixed Period Rate Plan. The expiration date of the new SRP and the customer's related 60 month SHNS Fixed Period Rate Plan must be the same date. The renewal discount, as set forth in 15.4.7.B., preceding, does not apply to SRP.

In the event a customer requests to discontinue a SRP and related 60 month SHNS Fixed Period Rate Plan before the expiration date of its fixed period, the customer is subject to Termination Liability charges as set forth in 15.4.8, preceding. Customers choosing not to renew to a new SRP and related 60 month SHNS Fixed Period Rate Plan or choosing not to discontinue will revert to month-to-month billing of the rate elements upon the expiration of the existing fixed period.

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**A. Self-Healing Network Service - Monthly**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1. Bandwidth Capacity of 155.52 Mbps			
• Hub Node, per Hub Wire Center	NGHAX	—	\$1,750.00
• Hub DS1 Port	DHHBX	\$177.00 (R)	92.00 (R)
• Hub DS3 Port	DHHCX	177.00	600.00
• Hub DS3 Ring Mux Port	DJNVM	177.00	900.00
• Hub STS1 Port	DHRAX	177.00	600.00
• Hub STS1 Ring Mux Port	DJNWM	177.00 (R)	900.00 (R)
• Access Node, per Customer Premises	NGGAX	—	1,750.00
• Access DS1 Port	DHGBX	177.00 (R)	92.00 (R)
• Access DS3 Port	DHGCX	177.00	600.00
• Access DS3 Ring Mux Port	DH4VM	177.00	900.00
• Access STS1 Port	DHWAX	177.00	600.00
• Access STS1 Ring Mux Port	DH4WM	177.00 (R)	900.00 (R)
• Control Node, per Wire Center	NOSCM	—	1,100.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**A. Self-Healing Network Service - Monthly (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
2. Bandwidth Capacity of 622.08 Mbps			
• Hub Node, per Hub Wire Center	NGZAX	—	\$3,690.00
• Hub DS1 Port	DHHDX	\$177.00 (R)	95.00 (R)
• Hub DS3 Port	DHZBX	177.00	240.00
• Hub DS3 Ring Mux Port	DJNXM	177.00	900.00
• Hub STS1 Port	DHRBX	177.00	230.00
• Hub STS1 Ring Mux Port	DJNYM	177.00	900.00
• Hub OC3 Port	DHHXX	177.00	520.00
• Hub OC3 Ring Mux Port	DJNZM	177.00 (R)	550.00 (R)

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

A. Self-Healing Network Service - Monthly

(T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
2. Bandwidth Capacity of 622.08 Mbps(Cont'd)			
• Access Node, per Customer Premises	NGYAX	—	\$3,690.00
• Access DS1 Port	DHGDY	\$177.00 (R)	95.00 (R)
• Access DS3 Port	DHYBX	177.00	240.00
• Access DS3 Ring Mux Port	DH4XM	177.00	900.00
• Access STS1 Port	DHWBX	177.00	230.00
• Access STS1 Ring Mux Port	DH4YM	177.00	900.00
• Access OC3 Port	DHGXX	177.00	520.00
• Access OC3 Ring Mux Port	DH4ZM	177.00 (R)	550.00 (R)
• Control Node, per Wire Center	NOSDM	—	2,500.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

A. Self-Healing Network Service - Monthly (Cont'd)

Certain material previously found on this page has been grandfathered and can now be found in Section 15.99.

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

A. Self-Healing Network Service - Monthly (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps				(T)
• Hub Node base rate				
- Per Hub Wire Center	NGHEX	—	\$8,000.00 (I)	(C)

Certain material previously found on this page has been grandfathered and can now be found in Section 15.99.

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

A. Self-Healing Network Service - Monthly

(T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
3. Bandwidth Capacity of 2.488 Gbps (Cont'd)			
• DS1 Port Add-Drop Capability, maximum of 2 per Hub Node[1]			
- Per Hub Node	SHP1M	—	\$ 600.00 (R)
• Hub DS1 Port[1]	DHRVX	\$177.00 (R)	93.00
• Hub DS3 Port	DHHFX	177.00	188.00
• Hub DS3 Ring Mux Port	DJN1M	177.00	900.00
• Hub STS1 Port	DHRDX	177.00	180.00
• Hub STS1 Ring Mux Port	DJN2M	177.00	900.00
• Hub OC3 Port	DHH8X	177.00	415.00
• Hub OC3 Ring Mux Port	DJN3M	177.00	550.00
• Hub OC12 Port	DJZEX	177.00	840.00
• Hub OC12 Ring Mux Port	DJN4M	177.00 (R)	1,050.00 (R)

(T)

(T)

[1] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

A. Self-Healing Network Service - Monthly			(T)
	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
3. Bandwidth Capacity of 2.488 Gbps (Cont'd)			(T) (T)
• Access Node base rate - Per Customer Premises	NGGEX	—	\$8,000.00 (I) (C)

Certain material previously found on this page has been grandfathered and can now be found in Section 15.99.

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

A. Self-Healing Network Service - Monthly

(T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
3. Bandwidth Capacity of 2.488 Gbps (Cont'd)			
• DS1 Port Add-Drop Capability, maximum of 2 per Access Node[1] - Per Access Node	SHV1M	—	\$ 600.00 (R)
• Access DS1 Port[1]	DHWVX	\$177.00 (R)	93.00
• Access DS3 Port	DHGFX	177.00	188.00
• Access DS3 Ring Mux Port	DH41M	177.00	900.00
• Access STS1 Port	DHWDX	177.00	180.00
• Access STS1 Ring Mux Port	DH42M	177.00	850.00
• Access OC3 Port	DHG8X	177.00	415.00
• Access OC3 Ring Mux Port	DH43M	177.00	550.00
• Access OC12 Port	DJ3EX	177.00	840.00
• Access OC12 Ring Mux Port	DH44M	177.00 (R)	1,050.00 (R)
• Control Node, per Wire Center	NOSEM	—	4,500.00

(T)

(T)

[1] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

A. Self-Healing Network Service - Monthly (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
4. Bandwidth Capacity of 9.952 Gbps				(T)
• Hub Node base rate per Hub Wire Center	NHZAM	—	\$15,000.00 (I)	
• DS1 Drop Capability, [1]	NHZDM	—	600.00 (R)	
• Hub DS1 Port, Electrical Drop [2]	DHR1M	\$177.00 (R)	95.00	
• Hub DS3 Port, Electrical Drop	DHR2M	177.00	185.00	
• Hub DS3 Ring Mux Port	DJN5M	177.00	900.00	
• Hub STS1 Port, Electrical Drop	DHR3M	177.00	180.00	
• Hub STS1 Ring Mux Port	DJN6M	177.00 (R)	900.00 (R)	

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

Certain material previously found on this page has been grandfathered and can now be found in Section 15.99.



**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

A. Self-Healing Network Service - Monthly

(T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Bandwidth Capacity of 9.952 Gbps (Cont'd)			
• Hub OC3 Port, Electrical Drop	DHR4M	\$177.00 (R)	\$ 365.00 (R)
• Hub OC3 Ring Mux Port	DJN7M	177.00	550.00
• Hub OC12 Port, Electrical Drop	DHR5M	177.00	640.00
• Hub OC12 Ring Mux Port	DJN8M	177.00	1,050.00
• Hub OC3 Port, Optical Drop	DHR6M	177.00	365.00
• Hub OC12 Port, Optical Drop	DHR7M	177.00	640.00
• Hub OC48/OC48c Port, Optical Drop	DHR8M	177.00	945.00
• Hub OC48 Ring Mux Port	DJN9M	177.00 (R)	2,600.00 (R)

(T)

(T)

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

A. Self-Healing Network Service - Monthly

(T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Bandwidth Capacity of 9.952 Gbps (Cont'd)			
• Access Node base rate	NNGAM	—	\$15,000.00 (I)
• Optical Drop Capability, per OC96	NNGBM	—	8,204.00
• Electrical Drop Capability, per OC48	NNGCM	—	7,485.00
• DS1 Drop Capability, [1]	NNGDM	—	600.00 (R)
• Access DS1 Port, Electrical Drop [2]	DHW1M	\$177.00 (R)	95.00
• Access DS3 Port, Electrical Drop	DHW2M	177.00	185.00
• Access DS3 Ring Mux Port	DH45M	177.00	900.00
• Access STS1 Port, Electrical Drop	DHW3M	177.00	165.00
• Access STS1 Ring Mux Port	DH46M	177.00 (R)	850.00 (R)

(T)

(T)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

A. Self-Healing Network Service - Monthly

(T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
4. Bandwidth Capacity of 9.952 Gbps (Cont'd)			
• Access OC3 Port, Electrical Drop	DHW4M	\$177.00 (R)	\$ 365.00 (R)
• Access OC3 Ring Mux Port	DH47M	177.00	550.00
• Access OC12 Port, Electrical Drop	DHW5M	177.00	640.00
• Access OC12 Ring Mux Port	DH48M	177.00	1,050.00
• Access OC3 Port, Optical Drop	DHW6M	177.00	365.00
• Access OC12 Port, Optical Drop	DHW7M	177.00	640.00
• Access OC48/OC48c Port, Optical Drop	DHW8M	177.00	945.00
• Access OC48 Ring Mux Port	DH49M	177.00 (R)	2,600.00 (R)
• Control Node, per Wire Center	NOSXM	—	6,077.00

(T)

(T)

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**A. Self-Healing Network Service - Monthly (Cont'd)**

5. Interoffice Transport, per Bandwidth Capacity, per mile (T)

<b>MILEAGE BANDS</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
155.52 Mbps through 2.488 Gbps		
0	1HXQX	—
Over 0	1HXQS	\$150.00
9.952 Gbps		
0	1HXQX	—
Over 0	1HXQS	405.00

6. Central Office Connecting Channel (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
• Per connection of same speeds[1]	CU5QS	\$ 12.50	\$ 10.00

7. Optional Features and Functions (T)

a. Software Reconfiguration Capability, per SHNS	SRKXX	—	500.00
b. OC3 CO Multiplexing,			
per multiplexer	MPECX		810.00
DS1 Port, per Port	S9NCM	250.00	60.00

[1] Provides connections as set forth in 15.1.2, preceding.

**15. SELF-HEALING NETWORK SERVICE**

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

**B. Self-Healing Network Service - 12 Months**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1. Bandwidth Capacity of 155.52 Mbps			
• Hub Node, per Hub Wire Center	NGHMX	—	\$1,750.00
• Access Node, per Customer Premises	NGGMX	—	1,750.00
• Control Node, per Wire Center	NOSC1	—	1,100.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**B. Self-Healing Network Service - 12 Months (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
2. Bandwidth Capacity of 622.08 Mbps			
• Hub Node, per Hub Wire Center	NGZEX	—	\$3,690.00
• Access Node, per Customer Premises	NGYEX	—	3,690.00
• Control Node, per Wire Center	NOSD1	—	2,500.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**B. Self-Healing Network Service - 12 Months (Cont'd)**

Certain material previously found on this page has been grandfathered and can now be found in Section 15.99.

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**B. Self-Healing Network Service - 12 Months (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps				(T)
• Hub Node base rate				(C)
- Per Hub Wire Center	NGHGX	—	\$8,000.00 (I)	(N)
-Vintage				(N)
3/28/97 through 4/7/04			7,120.00	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

B.3. Self-Healing Network Service - 12 Months (Cont'd)

(T)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

B. Self-Healing Network Service - 12 Months (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps (Cont'd)				(T) (T)
• Access Node base rate				(C)
- Per Customer Premises	NGGGX	—	\$8,000.00 (I)	
- Vintage				
3/28/97 through 6/30/03			7,120.00	
7/1/03 through 4/7/04			5,875.00	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

B. Self-Healing Network Service - 12 Months (Cont'd)

(T)

Certain material previously found on this page has been grandfathered and can now be found in Section 15.99.

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**B. Self-Healing Network Service - 12 Months (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
4. Bandwidth Capacity of 9.952 Gbps				(T)
• Hub Node base rate per Hub Wire Center	NHZA1	—	\$15,000.00 (I)	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

B.4. Self-Healing Network Service - 12 Months (Cont'd)

(T)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

B. Self-Healing Network Service - 12 Months

(T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
4. Bandwidth Capacity of 9.952 Gbps (Cont'd)				(T)
• Access Node base rate	NNGA1	—	\$15,000.00 (I)	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**B. Self-Healing Network Service - 12 Months**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
4. Bandwidth Capacity of 9.952 Gbps (Cont'd)			
• Control Node, per Wire Center	NOSX1	—	\$6,077.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**B. Self-Healing Network Service - 12 Months (Cont'd)**

5. Interoffice Transport, per Bandwidth Capacity, per mile (T)

<b>MILEAGE BANDS</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
155.52 Mbps through 2.488 Gbps		
0	1HXR	—
Over 0	1HXR	\$150.00
9.952 Gbps		
0	1HXR	—
Over 0	1HXR	405.00

6. Optional Features and Functions (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
a. Software Reconfiguration Capability, per SHNS	SRK1X	—	\$500.00
b. OC3 CO Multiplexing,			
per multiplexer	MPECX		810.00
DS1 Port, per Port	S9NC1	\$250.00	60.00



**15. SELF-HEALING NETWORK SERVICE**

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

C. Self-Healing Network Service - 24 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1. Bandwidth Capacity of 155.52 Mbps			
• Hub Node, per Hub Wire Center	NGHYX	—	\$1,750.00
• Access Node, per Customer Premises	NGGYX	—	1,750.00
• Control Node, per Wire Center	NOSC2	—	1,100.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**C. Self-Healing Network Service - 24 Months (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
2. Bandwidth Capacity of 622.08 Mbps			
• Hub Node, per Hub Wire Center	NGZJX	—	\$3,690.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

C. Self-Healing Network Service - 24 Months

(T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
2. Bandwidth Capacity of 622.08 Mbps (Cont'd)				(T) (T)
• Access Node, per Customer Premises	NGYJX	—	\$3,690.00	
• Control Node, per Wire Center	NOSD2	—	2,500.00	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

C. Self-Healing Network Service - 24 Months (Cont'd)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

C. Self-Healing Network Service - 24 Months (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps				(T)
• Hub Node base rate				(C)
- Per Hub Wire Center	NGHJX	—	\$8,000.00 (I)	(N)
-Vintage				(N)
3/28/97 through 4/7/04			7,120.00	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

C.3. Self-Healing Network Service - 24 Months (Cont'd)

(T)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

C. Self-Healing Network Service - 24 Months (Cont'd) (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps (Cont'd)				(T) (T)
• Access Node base rate				(C)
- Per Customer Premises	NGGJX	—	\$8,000.00 (I)	
- Vintage				
3/28/97 through 6/30/03			7,120.00	
7/1/03 through 4/7/04			5,875.00	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

C. Self-Healing Network Service - 24 Months (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps (Cont'd)				(T) (T)
• Control Node, per Wire Center	NOSE2	—	\$4,500.00	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

C. Self-Healing Network Service - 24 Months (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
4. Bandwidth Capacity of 9.952 Gbps				(T)
• Hub Node base rate per Hub Wire Center	NHZA2	—	\$15,000.00 (I)	
- Vintage				(N)
3/28/97 through 4/7/04			6,077.00	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

C.4. Self-Healing Network Service - 24 Months (Cont'd)

(T)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

C. Self-Healing Network Service - 24 Months (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
4. Bandwidth Capacity of 9.952 Gbps (Cont'd)				(T) (T)
• Access Node base rate	NNGA2	—	\$15,000.00 (I)	(N)
- Vintage 3/28/97 through 4/7/04			6,077.00	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

C. Self-Healing Network Service - 24 Months (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
4. Bandwidth Capacity of 9.952 Gbps (Cont'd)				(T) (T)
• Control Node, per Wire Center	NOSX2	—	\$6,077.00	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**C. Self-Healing Network Service - 24 Months (Cont'd)**

**5. Interoffice Transport, per Bandwidth Capacity, per mile (T)**

<b>MILEAGE BANDS</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
155.52 Mbps through 2.488 Gbps		
0	1HXSX	—
Over 0	1HXSS	\$150.00
9.952 Gbps		
0	1HXSX	—
Over 0	1HXSS	405.00

**6. Optional Features and Functions (T)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
a. Software Reconfiguration Capability, per SHNS	SRK2X	—	\$500.00
b. OC3 CO Multiplexing,			
per multiplexer	MPECX		810.00
DS1 Port, per Port	S9NC2	\$250.00	60.00

**15. SELF-HEALING NETWORK SERVICE**

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

**D. Self-Healing Network Service - 36 Months**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1. Bandwidth Capacity of 155.52 Mbps			
• Hub Node, per Hub Wire Center	NJZAX	—	\$1,575.00
• Access Node, per Customer Premises	NJ3AX	—	1,575.00
- Vintage			
8/1/95 through 7/1/02			1,575.00
7/2/02 through 6/30/03			1,495.00
• Control Node, per Wire Center	NOSC3	—	1,000.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**D. Self-Healing Network Service - 36 Months (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
2. Bandwidth Capacity of 622.08 Mbps			
• Hub Node, per Hub Wire Center	NGZNX	—	\$3,188.00
- Vintage			
8/1/95 through 6/30/99			3,321.00
7/1/99 through 7/1/02			3,188.00
7/2/02 through 6/30/03			3,025.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

D. Self-Healing Network Service - 36 Months

(T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
2. Bandwidth Capacity of 622.08 Mbps (Cont'd)				(T) (T)
• Access Node, per Customer Premises	NGYNX	—	\$3,188.00	
- Vintage				
8/1/95 through 6/30/99			3,321.00	
7/1/99 through 7/1/02			3,188.00	
7/2/02 through 6/30/03			3,025.00	
• Control Node, per Wire Center	NOSD3	—	2,200.00	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

D. Self-Healing Network Service - 36 Months (Cont'd)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

D. Self-Healing Network Service - 36 Months (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps				(T)
• Hub Node base rate				(C)
- Per Hub Wire Center	NGHRX	—	\$7,200.00 (I)	
- Vintage				
3/28/97 through 6/30/99			6,600.00	
7/1/99 through 4/7/04			6,336.00	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

D.3. Self-Healing Network Service - 36 Months (Cont'd)

(T)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

D. Self-Healing Network Service - 36 Months (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps (Cont'd)				(T) (T)
• Access Node base rate				(C)
- Per Customer Premises	NGGRX	—	\$7,200.00 (I)	
- Vintage				
3/28/97 through 6/30/99			6,600.00	
7/1/99 through 6/30/03			6,336.00	
7/1/03 through 4/7/04			5,228.09	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

D. Self-Healing Network Service - 36 Months (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps(Cont'd)				(T) (T)
• Control Node, per Wire Center	NOSE3	—	\$3,600.00	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

D. Self-Healing Network Service - 36 Months (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
4. Bandwidth Capacity of 9.952 Gbps				(T)
• Hub Node base rate per Hub Wire Center	NHZA3	—	\$12,500.00 (I)	
- Vintage 6/6/00 through 4/7/04			5,591.00	(N) (N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

D.4. Self-Healing Network Service - 36 Months (Cont'd)

(T)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

D. Self-Healing Network Service - 36 Months (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
4. Bandwidth Capacity of 9.952 Gbps(Cont'd)				(T) (T)
• Access Node base rate	NNGA3	—	\$12,500.00 (I)	(N)
- Vintage 6/6/00 through 4/7/04			5,591.00	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

D. Self-Healing Network Service - 36 Months

(T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
4. Bandwidth Capacity of 9.952 Gbps (Cont'd)				(T) (T)
• Control Node, per Wire Center	NOSX3	—	\$5,591.00	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**D. Self-Healing Network Service - 36 Months (Cont'd)**

**5. Interoffice Transport, per Bandwidth Capacity, per mile (T)**

<b>MILEAGE BANDS</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
155.52 Mbps through 2.488 Gbps		
0	1HXTX	—
Over 0	1HXTS	\$135.00
- Vintage		
8/1/95 through 7/1/02		135.00
7/2/02 through 6/30/03		120.00
9.952 Gbps		
0	1HXTX	—
Over 0	1HXTS	365.00

**6. Optional Features and Functions (T)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
a. Software Reconfiguration Capability, per SHNS	SRK3X	—	\$385.00
• Vintage			
3/23/92 through 6/30/00			450.00
b. OC3 CO Multiplexing,			
per multiplexer	MPECX		790.00
DS1 Port, per Port	S9NC3	—	43.20

**15. SELF-HEALING NETWORK SERVICE**

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

E. Self-Healing Network Service - 60 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1. Bandwidth Capacity of 155.52 Mbps			
• Hub Node, per Hub Wire Center	NJZMX	—	\$1,400.00
- Vintage			
8/1/95 through 7/1/02			1,400.00
7/2/02 through 6/30/03			1,325.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**E. Self-Healing Network Service - 60 Months (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
1. Bandwidth Capacity of 155.52 Mbps (Cont'd)			
• Access Node, per Customer Premises	NJ3MX	—	\$1,400.00
- Vintage			
8/1/95 through 7/1/02			1,400.00
7/2/02 through 6/30/03			1,325.00
• Control Node, per Wire Center	NOSC5	—	900.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E. Self-Healing Network Service - 60 Months (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
2. Bandwidth Capacity of 622.08 Mbps			
• Hub Node, per Hub Wire Center	NGZSX	—	\$2,710.00
- Vintage			
7/1/99 through 6/30/00			2,775.00
8/1/99 through 6/30/99			2,952.00
7/1/00 through 7/1/02			2,710.00
7/2/02 through 6/30/03			2,525.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E. Self-Healing Network Service - 60 Months

(T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
2. Bandwidth Capacity of 622.08 Mbps				(T) (T)
• Access Node, per Customer Premises	NGYSX	—	\$2,710.00	
- Vintage				
7/1/99 through 6/30/00			2,775.00	
8/1/95 through 6/30/99			2,952.00	
7/1/00 through 7/1/02			2,710.00	
7/2/02 through 6/30/03			2,525.00	
• Control Node, per Wire Center	NOSD5	—	2,000.00	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E. Self-Healing Network Service - 60 Months (Cont'd)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E. Self-Healing Network Service - 60 Months (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps				(T)
• Hub Node base rate				(C)
- Per Hub Wire Center	NGHTX	—	\$6,500.00 (I)	
- Vintage				
7/1/99 through 6/30/00			5,640.00	
3/28/97 through 6/30/99			6,000.00	
7/1/00 through 7/1/02			5,560.00	
7/2/02 through 6/30/03			5,500.00	
7/1/03 through 4/7/04			5,560.00	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E.3. Self-Healing Network Service - 60 Months (Cont'd)

(T)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E. Self-Healing Network Service - 60 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps (Cont'd)				(T) (T)
• Access Node base rate includes 84 DS1s (maximum of 168), or 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 Drop Capability				
- Per Customer Premises	NGGTX	—	\$6,500.00 (I)	
- Vintage				
7/1/99 through 6/30/00			5,640.00	
3/28/97 through 6/30/99			6,000.00	
7/1/00 through 7/1/02			5,560.00	
7/2/02 through 6/30/03			5,500.00	
7/1/03 through 4/7/04			4,587.78	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E. Self-Healing Network Service - 60 Months (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 2.488 Gbps (Cont'd)				(T) (T)
• Control Node, per Wire Center	NOSE5	—	\$3,200.00	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E. Self-Healing Network Service - 60 Months (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
4. Bandwidth Capacity of 9.952 Gbps				(T)
• Hub Node base rate per Hub Wire Center	NHZA5	—	\$11,700.00 (I)	
- Vintage 6/6/00 through 4/7/04			5,088.00	(N) (N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E.4. Self-Healing Network Service - 60 Months (Cont'd)

(T)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E. Self-Healing Network Service - 60 Months (T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
4. Bandwidth Capacity of 9.952 Gbps (Cont'd)				(T) (T)
• Access Node base rate	NNGA5	—	\$11,700.00 (I)	(N)
- Vintage 6/6/00 through 4/7/04			5,088.00	(N)

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

E. Self-Healing Network Service - 60 Months (T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
4. Bandwidth Capacity of 9.952 Gbps (Cont'd)				(T) (T)
• Control Node, per Wire Center	NOSX5	—	\$5,088.00	

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**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**E. Self-Healing Network Service - 60 Months (Cont'd)**

**5. Interoffice Transport, per Bandwidth Capacity, per mile (T)**

<b>MILEAGE BANDS</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
155.52 Mbps through 2.488 Gbps		
0	1HXVX	—
Over 0	1HXVS	\$120.00
- Vintage		
8/1/95 through 7/1/02		120.00
7/2/02 through 6/30/03		105.00
9.952 Gbps		
0	1HXVX	—
Over 0	1HXVS	324.00

**6. Optional Features and Functions (T)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
a. Software Reconfiguration Capability, per SHNS	SRK4X	—	\$300.00
• Vintage			
3/23/92 through 6/30/00			400.00
7/1/00 through 7/1/02			300.00
7/2/02 through 6/30/03			375.00
b. OC3 CO Multiplexing,			
per multiplexer	MPECX		765.00
DS1 Port, per Port	S9NC5	—	40.00



**15. SELF-HEALING NETWORK SERVICE**

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

F. Self-Healing Network Service - 120 Months[1]

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Bandwidth Capacity of 155.52 Mbps				
• Hub Node, per Hub Wire Center	NJZYX	—	\$1,400.00	(T)
- Vintage 2/7/92 through 7/31/95			1,064.00	(T)
• Hub DS1 Port	DJZZX	—	86.40	(T)
- Vintage 7/27/94 through 7/31/95			75.60	(T)
• Hub DS3 Port	DJZ1X	—	600.00	
• Access Node, per Customer Premises	NJ3YX	—	1,400.00	(T)
- Vintage 2/7/92 through 7/31/95			1,064.00	(T)
• Access DS1 Port	DJ3ZX	—	75.00	(T)
- Vintage 2/7/92 through 7/31/95			75.60	
8/1/95 through 7/1/02			86.40	(T)
• Access DS3 Port	DJ31X	—	600.00	

- [1] As of January 27, 1997, 120 Month Fixed Period Rate Plan is limited to existing customers only. Customers with the 120 Month Fixed Period Rate Plan in service prior to January 27, 1997, may continue their 120 Month Fixed Period Rate Plan until the expiration date of their Plan or until January 27, 2007, whichever comes first. If the service is moved or disconnected, the 120 Month Fixed Period Rate Plan may not be reestablished. After January 27, 1997, new customers may not subscribe to 120 Month Fixed Period Rate Plan.

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

F. Self-Healing Network Service - 120 Months[1] (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
2. Bandwidth Capacity of 622.08 Mbps				
• Hub Node, per Hub Wire Center	NGZWX	—	\$2,710.00	
- Vintage				(T)
6/17/93 through 7/31/95			2,604.00	
8/1/95 through 7/2/01			2,952.00	(T)
• Hub DS1 Port	DJZ2X	—	86.40	
- Vintage				(T)
2/7/92 through 7/31/95			75.60	(T)
• Hub DS3 Port	DHZYX	—	230.00	
- Vintage				(T)
7/27/90 through 7/31/95			206.50	
7/19/90 through 3/22/92			107.94	(T)
• Hub OC3 Port	DJXWX	—	480.00	
• Access Node, per Customer Premises	NGYWX	—	2,710.00	
- Vintage				(T)
1/1/94 through 7/31/95			2,604.00	
8/1/95 through 7/2/01			2,952.00	(T)

[1] As of January 27, 1997 120 Month Fixed Period Rate Plan is limited to existing customers only. Customers with the 120 Month Fixed Period Rate Plan in service prior to January 27, 1997, may continue their 120 Month Fixed Period Rate Plan until the expiration date of their Plan or until January 27, 2007, whichever comes first. If the service is moved or disconnected, the 120 Month Fixed Period Rate Plan may not be reestablished. After January 27, 1997, new customers may not subscribe to 120 Month Fixed Period Rate Plan.

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

F.2. (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
• Access DS1 Port	DJ32X	—	\$ 86.40	(T)
- Vintage				(T)
3/23/92 through 7/31/95			75.60	
• Access DS3 Port	DHYYX	—	215.00	(T)
- Vintage				(T)
7/2/93 through 7/31/95			206.50	
9/2/90 through 3/22/92			107.94	
8/1/95 through 7/1/02			230.00	(T)
• Access OC3 Port	DJ4WX	—	425.00	(T)
- Vintage				(T)
8/8/94 through 7/1/02			480.00	(T)

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

F. Self-Healing Network Service - 120 Months[1] (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 1.244 Gbps				
• Hub Node, per Hub Wire Center	NGZZX	—	\$4,700.00	(T)
- Vintage 6/17/93 through 7/31/95			4,333.00	(T)
• Hub DS3 Port	DHZ1X	—	200.00	
• Hub OC3 Port	DJXYX	—	480.00	
• Hub OC12 Port	DJX1X	—	920.00	
• Access Node, per Customer Premises	NGYZX	—	4,700.00	(T)
- Vintage 1/1/94 through 7/31/95			4,333.00	(T)
• Access DS3 Port	DHY1X	—	200.00	
• Access OC3 Port	DJ4YX	—	480.00	
• Access OC12 Port	DJ41X	—	920.00	

[1] As of January 27, 1997, 120 Month Fixed Period Rate Plan is limited to existing customers only. Customers with the 120 Month Fixed Period Rate Plan in service prior to January 27, 1997, may continue their 120 Month Fixed Period Rate Plan until the expiration date of their Plan or until January 27, 2007, whichever comes first. If the service is moved or disconnected, the 120 Month Fixed Period Rate Plan may not be reestablished. After January 27, 1997, new customers may not subscribe to 120 Month Fixed Period Rate Plan.

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

F. Self-Healing Network Service - 120 Months[1] (Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
4. Bandwidth Capacity of 2.488 Gbps				
• Hub Node, per Hub Wire Center	NGHVX	—	\$ 8,560.00	(T)
- Vintage 8/1/95 through 7/2/01			10,000.00	(T)
• Hub DS3 Port	DHHWX	—	180.00	
• Hub OC3 Port	DJX3X	—	480.00	
• Hub OC12 Port	DJX5X	—	920.00	
• Access Node, per Customer Premises	NGGVX	—	8,560.00	(T)
- Vintage 8/1/95 through 7/2/01			10,000.00	(T)
• Access DS3 Port	DHGWX	—	180.00	
• Access OC3 Port	DJ43X	—	480.00	
• Access OC12 Port	DJ45X	—	920.00	

[1] As of January 27, 1997, 120 Month Fixed Period Rate Plan is limited to existing customers only. Customers with the 120 Month Fixed Period Rate Plan in service prior to January 27, 1997, may continue their 120 Month Fixed Period Rate Plan until the expiration date of their Plan or until January 27, 2007, whichever comes first. If the service is moved or disconnected, the 120 Month Fixed Period Rate Plan may not be reestablished. After January 27, 1997, new customers may not subscribe to 120 Month Fixed Period Rate Plan.

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**F. Self-Healing Network Service - 120 Months[1] (Cont'd)**

**5. Interoffice Transport, per Bandwidth Capacity, per mile**

<b>MILEAGE BANDS</b>	<b>USOC</b>	<b>MONTHLY RATE</b>	
0	1HXYX	—	
Over 0	1HXYS	\$120.00	
- Vintage			(T)
5/2/91 through 7/31/95		81.35	(T)

**6. Optional Features and Functions**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
a. Software Reconfiguration Capability, per SHNS	SRK5X	—	\$400.00

- [1] As of January 27, 1997, 120 Month Fixed Period Rate Plan is limited to existing customers only. Customers with the 120 Month Fixed Period Rate Plan in service prior to January 27, 1997, may continue their 120 Month Fixed Period Rate Plan until the expiration date of their Plan or until January 27, 2007, whichever comes first. If the service is moved or disconnected, the 120 Month Fixed Period Rate Plan may not be reestablished. After January 27, 1997, new customers may not subscribe to 120 Month Fixed Period Rate Plan.

**15. SELF-HEALING NETWORK SERVICE**

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

**15.5.1 SHNS REVENUE PLAN 60 MONTHS**

**A. Annual Revenue Level Categories**

- Level One \$1,000,000 - \$1,599,999
- Level Two \$1,600,000 - \$2,199,999
- Level Three \$2,200,000 +

	<b>USOC</b>	<b>MONTHLY RATE</b>	<b>(T)</b>
<b>B. Bandwidth Capacity of 622.08 Mbps</b>			
<b>1. Hub Node, per Hub Wire Center</b>			
• Level One	NGZS1	\$2,651.00	
• Level Two	NGZS2	2,528.00	
• Level Three	NGZS3	2,280.00	
<b>2. Hub DS3 Port, per port</b>			
• Level One	DHZT1	213.00	
• Level Two	DHZT2	195.00	
• Level Three	DHZT3	145.00	(T)
Vintage 7/16/99 through 7/1/02		160.00	(T)

**15. SELF-HEALING NETWORK SERVICE**

**15.5 RATES AND CHARGES**

**15.5.1 SHNS REVENUE PLAN 60 MONTHS**

**B. Bandwidth Capacity of 622.08 Mbps (Cont'd)**

	<b>USOC</b>	<b>MONTHLY RATE</b>
3. Access Node, per customer premises		
• Level One	NGYS1	\$2,651.00
• Level Two	NGYS2	2,528.00
• Level Three	NGYS3	2,280.00
4. Access DS3 Port, per port		
• Level One	DHYT1	213.00
• Level Two	DHYT2	195.00
• Level Three	DHYT3	160.00
C. Bandwidth Capacity of 2.488 Gbps		
1. Hub Node, per Hub Wire Center		
• Level One	NGHT1	5,510.00
• Level Two	NGHT2	5,380.00
• Level Three	NGHT3	5,120.00
2. Access Node, per customer premises		
• Level One	NGGT1	5,510.00
• Level Two	NGGT2	5,380.00
• Level Three	NGGT3	5,120.00

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

The services, offerings, and regulations specified in this Section are Grandfathered. Existing customers may keep the service until the expiration of the pricing plan that originated prior to the Grandfather date, or until the end date of the service/offering. Dates are specified as appropriate.

**A. Self-Healing Network Service - 120 Months**

As of January 27, 1997 120 Month Fixed Period Rate Plan is limited to existing customers only. Customers with the 120 Month Fixed Period Rate Plan in service prior to January 27, 1997, may continue their 120 Month Fixed Period Rate Plan until the expiration date of their Plan or until January 27, 2007, whichever comes first. If the service is moved or disconnected, the 120 Month Fixed Period Rate Plan may not be reestablished. After January 27, 1997, new customers may not subscribe to 120 Month Fixed Period Rate Plan.

(N)

(N)

(M)

(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

**A. Self-Healing Network Service - 120 Months(Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
1. Bandwidth Capacity of 155.52 Mbps				(M)
• Hub Node, per Hub Wire Center	NJZYX	—	\$1,400.00	
- Vintage 2/7/92 through 7/31/95			1,064.00	
• Hub DS1 Port	DJZZX	—	86.40	
- Vintage 7/27/94 through 7/31/95			75.60	
• Hub DS3 Port	DJZ1X	—	600.00	
• Access Node, per Customer Premises	NJ3YX	—	1,400.00	
- Vintage 2/7/92 through 7/31/95			1,064.00	
• Access DS1 Port	DJ3ZX	—	75.00	
- Vintage 2/7/92 through 7/31/95			75.60	
8/1/95 through 7/1/02			86.40	
• Access DS3 Port	DJ31X	—	600.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

**A. Self-Healing Network Service - 120 Months (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
2. Bandwidth Capacity of 622.08 Mbps				
• Hub Node, per Hub Wire Center	NGZWX	—	\$2,710.00	
- Vintage				
6/17/93 through 7/31/95			2,604.00	
8/1/95 through 7/2/01			2,952.00	
• Hub DS1 Port	DJZ2X	—	86.40	
- Vintage				
2/7/92 through 7/31/95			75.60	
• Hub DS3 Port	DHZYX	—	230.00	
- Vintage				
7/27/90 through 7/31/95			206.50	
7/19/90 through 3/22/92			107.94	
• Hub OC3 Port	DJXWX	—	480.00	
• Access Node, per Customer Premises	NGYWX	—	2,710.00	
- Vintage				
1/1/94 through 7/31/95			2,604.00	
8/1/95 through 7/2/01			2,952.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

**A. Self-Healing Network Service - 120 Months**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	(T) (M)
2. Bandwidth Capacity of 622.08 Mbps (Cont'd)				(T) (T)
• Access DS1 Port	DJ32X	—	\$ 86.40	
- Vintage				
3/23/92 through 7/31/95			75.60	
• Access DS3 Port	DHYYX	—	215.00	
- Vintage				
7/2/93 through 7/31/95			206.50	
9/2/90 through 3/22/92			107.94	
8/1/95 through 7/1/02			230.00	
• Access OC3 Port	DJ4WX	—	425.00	(M)
- Vintage				
8/8/94 through 7/1/02			480.00	

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

**A. Self-Healing Network Service - 120 Months (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
3. Bandwidth Capacity of 1.244 Gbps				
• Hub Node, per Hub Wire Center	NGZZX	—	\$4,700.00	
- Vintage 6/17/93 through 7/31/95			4,333.00	
• Hub DS3 Port	DHZ1X	—	200.00	
• Hub OC3 Port	DJXYX	—	480.00	
• Hub OC12 Port	DJX1X	—	920.00	
• Access Node, per Customer Premises	NGYZX	—	4,700.00	
- Vintage 1/1/94 through 7/31/95			4,333.00	
• Access DS3 Port	DHY1X	—	200.00	
• Access OC3 Port	DJ4YX	—	480.00	
• Access OC12 Port	DJ41X	—	920.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

**A. Self-Healing Network Service - 120 Months (Cont'd)**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
4. Bandwidth Capacity of 2.488 Gbps				
• Hub Node, per Hub Wire Center	NGHVX	—	\$ 8,560.00	
- Vintage 8/1/95 through 7/2/01			10,000.00	
• Hub DS3 Port	DHHWX	—	180.00	
• Hub OC3 Port	DJX3X	—	480.00	
• Hub OC12 Port	DJX5X	—	920.00	
• Access Node, per Customer Premises	NGGVX	—	8,560.00	
- Vintage 8/1/95 through 7/2/01			10,000.00	
• Access DS3 Port	DHGWX	—	180.00	
• Access OC3 Port	DJ43X	—	480.00	
• Access OC12 Port	DJ45X	—	920.00	(M)

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

**A. Self-Healing Network Service - 120 Months (Cont'd)**

**5. Interoffice Transport, per Bandwidth Capacity, per mile**

(M)

<b>MILEAGE BANDS</b>	<b>USOC</b>	<b>MONTHLY RATE</b>
0	1HXYX	—
Over 0	1HXYS	\$120.00
- Vintage		
5/2/91 through 7/31/95		81.35

**6. Optional Features and Functions**

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>
a. Software Reconfiguration Capability, per SHNS	SRK5X	—	\$400.00

(M)

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS) (Cont'd)**

**A. Self-Healing Network Service - Bandwidth Capacity of 1.244 Gbps (N)**

Effective December 31, 1997, Bandwidth Capacity of 1.244 Gbps is limited to existing customers only. Customers with 1.244 Gbps in service on December 31, 1997, may continue 1.244 Gbps until the service is moved or disconnected. If the service is moved or disconnected, 1.244 Gbps may not be reestablished. As of January 1, 1998, new customers may not subscribe to 1.244 Gbps. (M)

Monthly (T)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
<b>1. Bandwidth Capacity of 1.244 Gbps</b>				(T) (T)
• Hub Node, per Hub Wire Center	NGZCX	—	\$5,875.00	
• Hub DS3 Port	DHZDX	\$272.50	250.00	
• Hub STS1 Port	DHRCX	272.50	250.00	
• Hub OC3 Port	DHH4X	485.00	600.00	
• Hub OC12 Port	DHH6X	485.00	1,150.00	
• Access Node, per Customer Premises	NGYCX	—	5,875.00	
• Access DS3 Port	DHYDX	272.50	250.00	
• Access STS1 Port	DHWCX	272.50	250.00	
• Access OC3 Port	DHG4X	485.00	600.00	
• Access OC12 Port	DHG6X	485.00	1,150.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

**B. Self-Healing Network Service - Bandwidth Capacity of 1.244 Gbps(Cont'd)**

12 Months

(T)(M)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
2. Bandwidth Capacity of 1.244 Gbps				(T) (T)
• Hub Node, per Hub Wire Center	NGZGX	—	\$5,875.00	
• Hub DS3 Port	DHZHX	\$272.50	250.00	
• Hub STS1 Port	DHRGX	272.50	250.00	
• Hub OC3 Port	DJZJX	485.00	600.00	
• Hub OC12 Port	DJZLX	485.00	1,150.00	
• Access Node, per Customer Premises	NGYGX	—	5,875.00	
• Access DS3 Port	DHYHX	272.50	250.00	
• Access STS1 Port	DHWGX	272.50	250.00	
• Access OC3 Port	DJ3JX	485.00	600.00	
• Access OC12 Port	DJ3LX	485.00	1,150.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

**B. Self-Healing Network Service - Bandwidth Capacity of 1.244 Gbps(Cont'd)**

24 Months

(T)(M)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
3. Bandwidth Capacity of 1.244 Gbps				(T) (T)
• Hub Node, per Hub Wire Center	NGZLX	—	\$5,875.00	
• Hub DS3 Port	DHZMX	\$272.50	250.00	
• Hub STS1 Port	DHRLX	272.50	250.00	
• Hub OC3 Port	DJZ3X	485.00	600.00	
• Hub OC12 Port	DJZ5X	485.00	1,150.00	
• Access Node, per Customer Premises	NGYLX	—	5,875.00	
• Access DS3 Port	DHYMX	272.50	250.00	
• Access STS1 Port	DHWLX	272.50	250.00	
• Access OC3 Port	DJ33X	485.00	600.00	
• Access OC12 Port	DJ35X	485.00	1,150.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

**B. Self-Healing Network Service - Bandwidth Capacity of 1.244 Gbps(Cont'd)**

36 Months

(T)(M)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
4. Bandwidth Capacity of 1.244 Gbps				(T) (T)
• Hub Node, per Hub Wire Center	NGZQX	—	\$5,287.50	
• Hub DS3 Port	DHZRX	—	225.00	
- Vintage			225.00	
8/1/95 through 7/1/02			155.00	
7/2/02 through 6/30/03				
• Hub STS1 Port	DHRPX	—	225.00	
• Hub OC3 Port	DJXCX	—	540.00	
• Hub OC12 Port	DJXEX	—	1,000.00	
• Access Node, per Customer Premises	NGYQX	—	5,287.50	
• Access DS3 Port	DHYRX	—	225.00	
- Vintage			225.00	
8/1/95 through 7/1/02			155.00	
7/2/02 through 6/30/03				
• Access STS1 Port	DHWPX	—	225.00	
• Access OC3 Port	DJ4CX	—	540.00	
• Access OC12 Port	DJ4EX	—	1,000.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

**B. Self-Healing Network Service - Bandwidth Capacity of 1.244 Gbps(Cont'd)**

60 Months

(T)(M)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	
5. Bandwidth Capacity of 1.244 Gbps				(T) (T)
• Hub Node, per Hub Wire Center	NGZUX	—	\$4,700.00	
• Hub DS3 Port	DHZVX	—	200.00	
• Hub STS1 Port	DHRTX	—	200.00	
• Hub OC3 Port	DJXNX	—	480.00	
• Hub OC12 Port	DJXQX	—	920.00	
• Access Node, per Customer Premises	NGYUX	—	4,700.00	
• Access DS3 Port	DHYVX	—	200.00	
• Access STS1 Port	DHWTX	—	200.00	
• Access OC3 Port	DJ4NX	—	480.00	
• Access OC12 Port	DJ4QX	—	920.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)(CONT'D)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans

(N)

Customers with a SHNS Pricing Plan in service prior to April 8, 2004, may retain or order Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and/or all types of Ports associated with Pricing Plans as set forth, following. This offer is valid until either the expiration date of their existing Pricing Plan or until their service is terminated, whichever comes first. On or after April 8, 2004, all new contracts for SST Service will be subject to the terms, conditions and rates set forth in Sections 15.1 through 15.5, preceding.

Terms and conditions for Additional Drop Capability, Optical Drop Capability per OC96 and Electrical Drop Capability per OC48 are as follows:

(N)

- The OC48 Access Node and Hub Node base rate element includes twelve (12) DS3 or STS1 drop capabilities when the service is provisioned with DS3 or STS1 Ports; or four (4) OC3 drop capabilities when the service is provisioned with OC3 Ports; or one (1) drop capability when the service is provisioned with OC12 Ports. DS1 Ports also may be ordered with an OC48 Access Node.
- An additional drop rate will apply to increase the drop capability beyond the base offering. This additional drop provides the capability to add/drop lower speed channels from an OC48 node location via OC12, OC3 or DS3 ports. The additional drop capability will support one quarter of the port capability of the OC48 bandwidth. Up to four OC48 Drop options may be provided at a node with each option supporting one OC12 port, up to four OC3 ports, up to twelve DS3 ports, or equivalent combination of OC3 and DS3 ports. The rate applies based on each increment of one OC12 port, or each increment of four OC3 ports, or each increment of twelve DS3 ports.
- The OC192 Access Node and Hub Node base rate element is capable of supporting electrical or optical drop capability. Each electrical OC48 drop capability has up to 48 DS3 or STS1 ports; 16 OC3 ports; or 4 OC12 ports. A 9.952 Gbps (OC192) SHNS can accommodate up to 4 OC48 electrical drop capabilities. Each optical drop capability includes for up to two OC48 ports; 8 OC12 ports; or 32 OC3 ports. OC48 ports may also connect directly to the base node without the use of an optical drop capability.

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

B. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans(Cont'd)

1. Grandfathered Rate and Charges - Monthly

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(T)
• Bandwidth Capacity of 2.488 Gbps				(T)
- Additional Drop Capability, per increment of 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 or equivalent combination of OC3, DS3 or STS1 ports Each increment[1]	SHZX	—	\$0.00 (R)	(M)

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node.

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans

1. Grandfathered Rate and Charges - Monthly(Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 9.952 Gbps				(T)
- Optical Drop Capability, per OC96	NHZBM	—	\$0.00 (R)	
- Electrical Drop Capability, per OC48	NHZCM	—	0.00 (R)	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans(Cont'd)

2. Grandfathered Rate and Charges – 12 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(T)
• Bandwidth Capacity of 155.52 Mbps				(T)
- Hub DS1 Port	DHHNX	\$250.00	108.00	
- Hub DS3 Port	DHHPX	298.67	750.00	
- Hub DS3 Ring Mux Port	DJNV1	298.67	2,262.00	
- Hub STS1 Port	DHREX	298.67	750.00	
- Hub STS1 Ring Mux Port	DJNW1	298.67	2,262.00	
- Access DS1 Port	DHGNX	250.00	108.00	
- Access DS3 Port	DHGPX	298.67	750.00	
- Access DS3 Ring Mux Port	DH4V1	298.67	2,262.00	
- Access STS1 Port	DHWEX	298.67	750.00	
- Access STS1 Ring Mux Port	DH4W1	298.67	2,262.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans(Cont'd)

2. Grandfathered Rate and Charges – 12 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(T)
• Bandwidth Capacity of 622.08 Mbps				(T)
- Hub DS1 Port	DHHQX	\$250.00	108.00	
- Hub DS3 Port	DHZFX	272.50	287.50	
- Hub DS3 Ring Mux Port	DJNX1	272.50	1,799.50	
- Hub STS1 Port	DHRFX	272.50	287.50	
- Hub STS1 Ring Mux Port	DJNY1	272.50	1,799.50	
- Hub OC3 Port	DJZGX	485.00	600.00	
- Hub OC3 Ring Mux Port	DJNZ1	485.00	1,160.60	
- Access DS1 Port	DHGQX	250.00	108.00	
- Access DS3 Port	DHYFX	272.50	287.50	
- Access DS3 Ring Mux Port	DH4X1	272.50	1,799.50	
- Access STS1 Port	DHWFX	272.50	287.50	
- Access STS1 Ring Mux Port	DH4Y1	272.50	1,799.50	
- Access OC3 Port	DJ3GX	485.00	600.00	
- Access OC3 Ring Mux Port	DH4Z1	485.00	1,160.60	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
- 2. Grandfathered Rate and Charges – 12 Months(Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 2.488 Gbps				(T)
- Additional Drop Capability, per increment of 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 or equivalent combination of OC3, DS3 or STS1 ports Each increment[1]	SHZX1	–	1,200.00	

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node.

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
- 2. Grandfathered Rate and Charges – 12 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 2.488 Gbps(Cont'd)				
- DS1 Port Add-Drop Capability, maximum of 2 per Hub Node[1]				
- Per Hub Node	SHP11	–	\$ 720.00	
- Hub DS1 Port[1]	DHRWX	\$250.00	108.00	
- Hub DS3 Port	DHHHX	272.50	225.00	
- Hub DS3 Ring Mux Port	DJN11	272.50	1,737.00	
- Hub STS1 Port	DHRHX	272.50	230.00	
- Hub STS1 Ring Mux Port	DJN21	272.50	1,742.00	
- Hub OC3 Port	DJZSX	485.00	480.00	
- Hub OC3 Ring Mux Port	DJN31	485.00	918.80	
- Hub OC12 Port	DJZUX	485.00	960.00	
- Hub OC12 Ring Mux Port	DJN41	485.00	2,526.00	

[1] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 2. Grandfathered Rate and Charges – 12 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 2.488 Gbps(Cont'd)				
- DS1 Port Add-Drop Capability, maximum of 2 per Access Node[1] Per Access Node	SHV11	–	\$ 720.00	
- Access DS1 Port	DHWWX	\$250.00	108.00	
- Access DS3 Port	DHGHX	272.50	225.00	
- Access DS3 Ring Mux Port	DH411	272.50	1,737.00	
- Access STS1 Port	DHWHX	272.50	230.00	
- Access STS1 Ring Mux Port	DH421	272.50	1,742.00	
- Access OC3 Port	DJ3SX	485.00	480.00	
- Access OC3 Ring Mux Port	DH431	485.00	918.80	
- Access OC12 Port	DJ3UX	485.00	960.00	
- Access OC12 Ring Mux Port	DH441	485.00	2,526.00	

[1] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

Certain material found on this page formerly appeared on Page 15-70.1.

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 2. Grandfathered Rate and Charges – 12 Months(Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 9.952 Gbps				(T)
- Optical Drop Capability, per OC96	NHQB1	–	8,204.00	
- Electrical Drop Capability, per OC48	NHQB1	–	7,485.00	
- DS1 Drop Capability,[1]	NHQB1	–	720.00	
- Hub DS1 Port, Electrical Drop[2]	DHR11	\$250.00	108.00	
- Hub DS3 Port, Electrical Drop Vintage 6/6/00 through 7/1/02	DHR21	272.50	175.00 225.00	
- Hub DS3 Ring Mux Port	DJN51	272.50	1,737.00	
- Hub STS1 Port, Electrical Drop	DHR31	272.50	225.00	
- Hub STS1 Ring Mux Port	DJN61	272.50	1,742.00	

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
- 2. Grandfathered Rate and Charges – 12 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
- Hub OC3 Port, Electrical Drop	DHR41	\$485.00	\$ 480.00	
- Hub OC3 Ring Mux Port	DJN71	485.00	918.80	
- Hub OC12 Port, Electrical Drop	DHR51	485.00	960.00	
- Hub OC12 Ring Mux Port	DJN81	485.00	2,526.00	
- Hub OC3 Port, Optical Drop	DHR61	485.00	389.00	
- Hub OC12 Port, Optical Drop	DHR71	485.00	646.00	
- Hub OC48/OC48c Port, Optical Drop	DHR81	485.00	1,110.00	
- Hub OC48/OC48c Ring Mux Port,	DJN91	485.00	7,590.00	(M)

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 2. Grandfathered Rate and Charges – 12 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
- Optical Drop Capability, per OC96	NNGB1	–	\$8,204.00	
- Electrical Drop Capability, per OC48	NNGC1	–	7,485.00	
- DS1 Drop Capability,[1]	NNGD1	–	720.00	
- Access DS1 Port, Electrical Drop[2]	DHW11	\$250.00	108.00	
- Access DS3 Port, Electrical Drop	DHW21	272.50	175.00	
Vintage 6/6/00 through 7/1/02			225.00	
- Access DS3 Ring Mux Port	DH451	272.50	1,737.00	
- Access STS1 Port, Electrical Drop	DHW31	272.50	225.00	
- Access STS1 Ring Mux Port	DH461	272.50	1,742.00	

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
- 2. Grandfathered Rate and Charges – 12 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
-Access OC3 Port, Electrical Drop	DHW41	\$485.00	\$ 480.00	
-Access OC3 Ring Mux Port	DH471	485.00	918.80	
-Access OC12 Port, Electrical Drop	DHW51	485.00	960.00	
-Access OC12 Ring Mux Port	DH481	485.00	2,526.00	
-Access OC3 Port, Optical Drop	DHW61	485.00	389.00	
-Access OC12 Port, Optical Drop	DHW71	485.00	646.00	
-Access OC48/OC48c Port, Optical Drop	DHW81	485.00	1,110.00	
-Access OC48 Ring Mux Port	DH491	485.00	7,590.00	<b>(M)</b>

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans(Cont'd)

3. Grandfathered Rate and Charges – 24 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(T)
• Bandwidth Capacity of 155.52 Mbps				(T)
- Hub DS1 Port	DHHZX	\$250.00	\$ 108.00	
Vintage				
8/1/95 through 7/1/02			108.00	
7/2/02 through 6/30/03			95.00	
- Hub DS3 Port	DHH1X	298.67	750.00	
- Hub DS3 Ring Mux Port	DJNV2	298.67	2,262.00	
- Hub STS1 Port	DHRJX	298.67	750.00	
- Hub STS1 Ring Mux Port	DJNW2	298.67	2,262.00	
- Access DS1 Port	DHGZX	250.00	108.00	
- Access DS3 Port	DHG1X	298.67	750.00	
- Access DS3 Ring Mux Port	DH4V2	298.67	2,262.00	
- Access STS1 Port	DHWJX	298.67	750.00	(M)
- Access STS1 Ring Mux Port	DH4W2	298.67	2,262.00	

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 3. Grandfathered Rate and Charges – 24 Months(Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 622.08 Mbps				(T)
- Hub DS1 Port	DHH2X	\$250.00	\$ 108.00	
- Hub DS3 Port	DHZKX	272.50	287.50	
Vintage				
8/1/95 through 7/1/02			287.50	
7/2/02 through 6/30/03			265.00	
- Hub DS3 Ring Mux Port	DJNX2	272.50	1,799.50	
- Hub STS1 Port	DHRKX	272.50	287.50	
- Hub STS1 Ring Mux Port	DJNY2	272.50	1,799.50	
- Hub OC3 Port	DJZWX	485.00	600.00	
- Hub OC3 Ring Mux Port	DJNZ2	485.00	1,160.60	
- Access DS1 Port	DHG2X	250.00	108.00	
- Access DS3 Port	DHYKX	272.50	287.50	
Vintage				
8/1/95 through 7/1/02			287.50	
7/2/02 through 6/30/03			265.00	
- Access DS3 Ring Mux Port	DH4X2	272.50	1,799.50	
- Access STS1 Port	DHWKX	272.50	287.50	
Access STS1 Ring Mux Port	DH4Y2	272.50	1,799.50	
- Access OC3 Port	DJ3WX	485.00	600.00	
- Access OC3 Ring Mux Port	DH4Z2	485.00	1,160.60	

(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
- 3. Grandfathered Rate and Charges – 24 Months(Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 2.488 Gbps				(T)
- Additional Drop Capability, per increment of 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 or equivalent combination of OC3, DS3 or STS1 ports Each increment[1]	SHZX2	–	\$1,200.00	

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node.

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
3. Grandfathered Rate and Charges – 24 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 2.488 Gbps(Cont'd)				
- DS1 Port Add-Drop Capability, maximum of 2 per Hub Node[1]				
- Per Hub Node	SHP12	–	\$ 720.00	
- Hub DS1 Port[1]	DHRXX	\$250.00	108.00	
- Hub DS3 Port	DHHKX	272.50	225.00	
- Hub DS3 Ring Mux Port	DJN12	272.50	1,737.00	
- Hub STS1 Port	DHRMX	272.50	230.00	
- Hub STS1 Ring Mux Port	DJN22	272.50	1,742.00	
- Hub OC3 Port	DJZ7X	485.00	480.00	
- Hub OC3 Ring Mux Port	DJN32	485.00	918.80	
- Hub OC12 Port	DJZ9X	485.00	960.00	
- Hub OC12 Ring Mux Port	DJN42	485.00	2,526.00	

[1] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 3. Grandfathered Rate and Charges – 24 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 2.488 Gbps(Cont'd)				
- DS1 Port Add-Drop Capability, maximum of 2 per Access Node[1] Per Access Node	SHV12	–	\$ 720.00	
- Access DS1 Port	DHWXX	\$250.00	108.00	
- Access DS3 Port	DHGKX	272.50	225.00	
- Access DS3 Ring Mux Port	DH412	272.50	1,737.00	
- Access STS1 Port	DHWMX	272.50	230.00	
- Access STS1 Ring Mux Port	DH422	272.50	1,742.00	
- Access OC3 Port	DJ37X	485.00	480.00	
- Access OC3 Ring Mux Port	DH432	485.00	918.80	
- Access OC12 Port	DJ39X	485.00	960.00	
- Access OC12 Ring Mux Port	DH442	485.00	2,526.00	

[1] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 3. Grandfathered Rate and Charges – 24 Months(Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 9.952 Gbps				(T)
- Optical Drop Capability, per OC96	NHZB2	–	\$8,204.00	
- Electrical Drop Capability, per OC48	NHZC2	–	7,485.00	
- DS1 Drop Capability,[1]	NHZD2	–	720.00	
- Hub DS1 Port, Electrical Drop[2]	DHR12	\$250.00	108.00	
- Hub DS3 Port, Electrical Drop	DHR22	272.50	225.00	
- Hub DS3 Ring Mux Port	DJN52	272.50	1,737.00	
- Hub STS1 Port, Electrical Drop	DHR32	272.50	225.00	
- Hub STS1 Ring Mux Port	DJN62	272.50	1,742.00	

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 3. Grandfathered Rate and Charges – 24 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
- Hub OC3 Port, Electrical Drop	DHR42	\$485.00	\$ 480.00	
- Hub OC3 Ring Mux Port	DJN72	485.00	918.80	
- Hub OC12 Port, Electrical Drop	DHR52	485.00	960.00	
-- Hub OC12 Ring Mux Port	DJN82	485.00	2,526.00	
- Hub OC3 Port, Optical Drop	DHR62	485.00	389.00	
- Hub OC12 Port, Optical Drop	DHR72	485.00	646.00	
- Hub OC48/OC48c Port, Optical Drop	DHR82	485.00	1,110.00	
- Hub OC48/OC48c Ring Mux Port,	DJN92	485.00	7,590.00	(M)

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
- 3. Grandfathered Rate and Charges – 24 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
- Optical Drop Capability, per OC96	NNGB2	–	\$8,204.00	
- Electrical Drop Capability, per OC48	NNGC2	–	7,485.00	
- DS1 Drop Capability,[1]	NNGD2	–	720.00	
- Access DS1 Port, Electrical Drop[2]	DHW12	\$250.00	108.00	
- Access DS3 Port, Electrical Drop	DHW22	272.50	225.00	
- Access DS3 Ring Mux Port	DH452	272.50	1,737.00	
- Access STS1 Port, Electrical Drop	DHW32	272.50	225.00	
- Access STS1 Ring Mux Port	DH462	272.50	1,742.00	

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
- 3. Grandfathered Rate and Charges – 24 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
-Access OC3 Port, Electrical Drop	DHW42	\$485.00	\$ 480.00	
-Access OC3 Ring Mux Port	DH472	485.00	918.80	
-Access OC12 Port, Electrical Drop	DHW52	485.00	960.00	
-Access OC12 Ring Mux Port	DH482	485.00	2,526.00	
-Access OC3 Port, Optical Drop	DHW62	485.00	389.00	
-Access OC12 Port, Optical Drop	DHW72	485.00	646.00	
-Access OC48/OC48c Port, Optical Drop	DHW82	485.00	1,110.00	
-Access OC48 Ring Mux Port	DH492	485.00	7,590.00	<b>(M)</b>

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans(Cont'd)

4. Grandfathered Rate and Charges – 36 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(T)
• Bandwidth Capacity of 155.52 Mbps				(T)
- Hub DS1 Port	DJZBX	–	\$ 97.20	
- Hub DS3 Port	DJZCX	–	675.00	
- Hub DS3 Ring Mux Port	DJNV3	\$298.67	2,035.80	
- Hub STS1 Port	DHRNX	–	675.00	
- Hub STS1 Ring Mux Port	DJNW3	298.67	2,035.80	
- Access DS1 Port	DJ3BX	–	97.20	
- Access DS3 Port	DJ3CX	–	675.00	
- Vintage				
8/1/95 through 7/1/02			675.00	
7/2/02 through 6/30/03			650.75	
- Access DS3 Ring Mux Port	DH4V3	298.67	2,035.80	
- Access STS1 Port	DHWNX	–	675.00	
- Access STS1 Ring Mux Port	DH4W3	298.67	2,035.80	(M)

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
4. Grandfathered Rate and Charges – 36 Months(Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 622.08 Mbps				(T)
- Hub DS1 Port	DJZDX	–	\$ 97.20	
- Hub DS3 Port	DHZPX	–	258.75	
Vintage				
8/1/95 through 7/1/02			258.75	
7/2/02 through 6/30/03			215.00	
- Hub DS3 Ring Mux Port	DJNX3	\$272.50	1,619.60	
- Hub STS1 Port	DHROX	–	258.75	
- Hub STS1 Ring Mux Port	DJNY3	272.50	1,619.60	
- Hub OC3 Port	DJXAX	–	540.00	
- Hub OC3 Ring Mux Port	DJNZ3	485.00	1,044.60	
- Access DS1 Port	DJ3DX	–	97.20	
- Access DS3 Port	DHYPX	–	258.75	
Vintage				
8/1/95 through 7/1/02			258.75	
7/2/02 through 6/30/03			215.00	
- Access DS3 Ring Mux Port	DH4X3	272.50	1,619.60	
- Access STS1 Port	DHWOX	–	258.75	
Access STS1 Ring Mux Port	DH4Y3	272.50	1,619.60	
- Access OC3 Port	DJ4AX	–	540.00	
- Access OC3 Ring Mux Port	DH4Z3	485.00	1,044.60	(M)

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 4. Grandfathered Rate and Charges – 36 Months(Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 2.488 Gbps				(T)
- Additional Drop Capability, per increment of 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 or equivalent combination of OC3, DS3 or STS1 ports Each increment[1] Vintage 3/28/97 through 7/2/01	SHZX3	–	\$ 900.00  1,100.00	

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node.

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
4. Grandfathered Rate and Charges – 36 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 2.488 Gbps(Cont'd)				
- DS1 Port Add-Drop Capability, maximum of 2 per Hub Node[1]				
- Per Hub Node	SHP13	–	\$ 660.00	
- Hub DS1 Port[1]	DHRYX	–	97.20	
- Hub DS3 Port Vintage	DHHSX	–	202.50	
8/1/95 through 7/1/02			202.50	
7/2/02 through 6/30/03			155.00	
- Hub DS3 Ring Mux Port	DJN13	\$272.50	1,563.30	
- Hub STS1 Port	DHRQX	–	202.50	
- Hub STS1 Ring Mux Port	DJN23	272.50	1,563.30	
- Hub OC3 Port	DJXGX	–	440.00	
- Hub OC3 Ring Mux Port	DJN33	485.00	834.90	
- Hub OC12 Port	DJXJX	–	880.00	
- Hub OC12 Ring Mux Port	DJN43	485.00	2,289.40	

[1] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
4. Grandfathered Rate and Charges – 36 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 2.488 Gbps(Cont'd)				
- DS1 Port Add-Drop Capability, maximum of 2 per Access Node[1] Per Access Node	SHV13	–	\$ 660.00	
- Access DS1 Port	DHWYX	–	97.20	
- Access DS3 Port Vintage 8/1/95 through 7/1/02 7/2/02 through 6/30/03	DHGSX	–	202.50 202.50 155.00	
- Access DS3 Ring Mux Port	DH413	\$272.50	1,563.30	
- Access STS1 Port	DHWQX	–	202.50	
- Access STS1 Ring Mux Port	DH423	272.50	1,563.30	
- Access OC3 Port	DJ4GX	–	440.00	
- Access OC3 Ring Mux Port	DH433	485.00	834.90	
- Access OC12 Port	DJ4JX	–	880.00	
- Access OC12 Ring Mux Port	DH443	485.00	2,289.40	

[1] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
4. Grandfathered Rate and Charges – 36 Months(Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 9.952 Gbps				(T)
- Optical Drop Capability, per OC96	NHQB3	–	\$7,548.00	
- Electrical Drop Capability, per OC48	NHQB3	–	6,886.00	
- DS1 Drop Capability,[1]	NHQB3	–	660.00	
- Hub DS1 Port, Electrical Drop[2]	DHR13	–	97.20	
- Hub DS3 Port, Electrical Drop	DHR23	–	202.50	
Vintage				
6/6/00 through 7/1/02			202.50	
7/2/02 through 6/30/03			155.00	
- Hub DS3 Ring Mux Port	DJN53	\$272.50	1,563.30	
- Hub STS1 Port, Electrical Drop	DHR33	–	202.50	
- Hub STS1 Ring Mux Port	DJN63	272.50	1,563.30	

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 4. Grandfathered Rate and Charges – 36 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
- Hub OC3 Port, Electrical Drop	DHR43	–	\$ 440.00	
- Hub OC3 Ring Mux Port	DJN73	\$485.00	834.90	
- Hub OC12 Port, Electrical Drop	DHR53	–	880.00	
-- Hub OC12 Ring Mux Port	DJN83	485.00	2,289.40	
- Hub OC3 Port, Optical Drop	DHR63	–	358.00	
- Hub OC12 Port, Optical Drop	DHR73	–	594.00	
- Hub OC48/OC48c Port, Optical Drop	DHR83	–	1,021.00	
- Hub OC48/OC48c Ring Mux Port,	DJN93	485.00	6,853.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
4. Grandfathered Rate and Charges – 36 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
- Optical Drop Capability, per OC96	NNGB3	–	\$7,548.00	
- Electrical Drop Capability, per OC48	NNGC3	–	6,886.00	
- DS1 Drop Capability,[1]	NNGD3	–	660.00	
- Access DS1 Port, Electrical Drop[2]	DHW13	–	97.20	
- Access DS3 Port, Electrical Drop	DHW23	–	202.50	
Vintage				
6/6/00 through 7/1/02			202.50	
7/2/02 through 6/30/03			175.00	
- Access DS3 Ring Mux Port	DH453	\$272.50	1,563.30	
- Access STS1 Port, Electrical Drop	DHW33	–	202.50	
- Access STS1 Ring Mux Port	DH463	272.50	1,563.30	

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 4. Grandfathered Rate and Charges – 36 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
-Access OC3 Port, Electrical Drop	DHW43	–	\$ 440.00	
-Access OC3 Ring Mux Port	DH473	\$485.00	834.90	
-Access OC12 Port, Electrical Drop	DHW53	–	880.00	
-Access OC12 Ring Mux Port	DH483	485.00	2,289.40	
-Access OC3 Port, Optical Drop	DHW63	–	358.00	
-Access OC12 Port, Optical Drop	DHW73	–	594.00	
-Access OC48/OC48c Port, Optical Drop	DHW83	–	1,021.00	
-Access OC48 Ring Mux Port	DH493	485.00	6,853.00	<b>(M)</b>

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans(Cont'd)

5. Grandfathered Rate and Charges – 60 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(T) (M)
• Bandwidth Capacity of 155.52 Mbps				(T)
- Hub DS1 Port	DJZNX	–	\$ 86.00	
- Vintage				
3/23/92 through 6/30/00			86.40	
7/1/00 through 7/1/02			86.00	
7/2/02 through 6/30/03			75.00	
- Hub DS3 Port	DJZPX	–	600.00	
- Vintage				
8/1/95 through 7/1/02			600.00	
7/2/02 through 6/30/03			575.00	
- Hub DS3 Ring Mux Port	DJNV5	\$298.67	1,804.00	
- Hub STS1 Port	DHRRX	–	600.00	
- Hub STS1 Ring Mux Port	DJNW5	298.67	1,804.00	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 5. Grandfathered Rate and Charges – 60 Months(Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 155.52 Mbps (Cont'd)				
- Access DS1 Port	DJ3NX	–	\$ 86.00	
Vintage				
3/23/92 through 6/30/00			86.40	
7/1/00 through 7/1/02			86.00	
7/2/02 through 6/30/03			75.00	
- Access DS3 Port	DJ3PX	–	600.00	
Vintage				
8/1/95 through 7/1/02			600.00	
7/2/02 through 6/30/03			575.00	
- Access DS3 Ring Mux Port	DH4V5	\$298.67	1,804.00	
- Access STS1 Port	DHWRX	–	600.00	
- Access STS1 Ring Mux Port	DH4W5	298.67	1,804.00	<b>(M)</b>

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 5. Grandfathered Rate and Charges – 60 Months(Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 622.08 Mbps				(T)
- Hub DS1 Port Vintage	DJZQX	–	\$ 86.00	
3/23/92 through 6/30/00			86.40	
7/1/00 through 7/1/02			86.00	
7/2/02 through 6/30/03			75.00	
- Hub DS3 Port Vintage	DHZTX	–	230.00	
8/1/95 through 7/1/02			230.00	
7/2/02 through 6/30/03			215.00	
- Hub DS3 Ring Mux Port	DJNX5	\$272.50	1,434.00	
- Hub STS1 Port	DHRSX	–	230.00	
- Hub STS1 Ring Mux Port	DJNY5	272.50	1,434.00	
- Hub OC3 Port	DJXLX	–	480.00	
- Hub OC3 Ring Mux Port	DJNZ3	485.00	928.50	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 5. Grandfathered Rate and Charges – 60 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 622.08 Mbps(Cont'd)				
- Access DS1 Port	DJ3QX	–	\$ 86.00	
Vintage				
3/23/92 through 6/30/00			86.40	
7/1/00 through 7/1/02			86.00	
7/2/02 through 6/30/03			75.00	
- Access DS3 Port	DHYTX	–	230.00	
Vintage				
8/1/95 through 7/1/02			230.00	
7/2/02 through 6/30/03			215.00	
- Access DS3 Ring Mux Port	DH4X5	\$272.50	1,434.00	
- Access STS1 Port	DHWOX	–	230.00	
Access STS1 Ring Mux Port	DH4Y3	272.50	1,434.00	
- Access OC3 Port	DJ4AX	–	480.00	
- Access OC3 Ring Mux Port	DH4Z3	485.00	928.50	(M)

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 5. Grandfathered Rate and Charges – 60 Months(Cont'd)

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 2.488 Gbps				(T)
- Additional Drop Capability, per increment of 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 or equivalent combination of OC3, DS3 or STS1 ports Each increment[1] Vintage 3/28/97 through 7/2/01	SHZX5	–	\$ 800.00  1,000.00	

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node.

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**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
5. Grandfathered Rate and Charges – 60 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 2.488 Gbps(Cont'd)				
- DS1 Port Add-Drop Capability, maximum of 2 per Hub Node[1]				
- Per Hub Node	SHP15	–	\$ 600.00	
- Hub DS1 Port[1]	DHRZX	–	86.00	
Vintage				
3/28/97 through 6/30/00			86.40	
7/1/00 through 7/1/02			86.00	
7/2/02 through 6/30/03			75.00	
- Hub DS3 Port	DHHUX	–	180.00	
Vintage				
8/1/95 through 7/1/02			180.00	
7/2/02 through 6/30/03			155.00	
- Hub DS3 Ring Mux Port	DJN15	\$272.50	1,384.00	
- Hub STS1 Port	DHRUX	–	180.00	
- Hub STS1 Ring Mux Port	DJN25	272.50	1,384.00	
- Hub OC3 Port	DJXSX	–	400.00	
- Hub OC3 Ring Mux Port	DJN35	485.00	751.90	
- Hub OC12 Port	DJXUX	–	800.00	
Vintage				
3/28/97 through 7/1/02			800.00	
7/2/02 through 6/30/03			775.00	
- Hub OC12 Ring Mux Port	DJN45	485.00	2,052.80	(M)

[1] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.  
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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans
5. Grandfathered Rate and Charges – 60 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 2.488 Gbps(Cont'd)				
- DS1 Port Add-Drop Capability, maximum of 2 per Access Node[1] Per Access Node	SHV15	–	\$ 600.00	
- Access DS1 Port Vintage	DHWZX	–	86.00	
3/28/97 through 6/30/00			86.40	
7/1/00 through 7/1/02			86.00	
7/2/02 through 6/30/03			75.00	
- Access DS3 Port Vintage	DHGUX	–	180.00	
8/1/95 through 7/1/02			180.00	
7/2/02 through 6/30/03			155.00	
- Access DS3 Ring Mux Port	DH415	\$272.50	1,384.00	
- Access STS1 Port	DHWUX	–	180.00	
- Access STS1 Ring Mux Port	DH425	272.50	1,384.00	
- Access OC3 Port Vintage	DJ4SX	–	400.00	
3/28/97 through 7/1/02			400.00	
7/2/02 through 6/30/03			320.00	
- Access OC3 Ring Mux Port	DH435	485.00	751.00	
- Access OC12 Port Vintage	DJ4UX	–	880.00	
3/28/97 through 7/1/02			800.00	
7/2/02 through 6/30/03			775.00	
- Access OC12 Ring Mux Port	DH445	485.00	2,052.80	(M)

[1] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 5. Grandfathered Rate and Charges – 60 Months(Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 9.952 Gbps				(T)
- Optical Drop Capability, per OC96	NHZB5	–	\$6,869.00	
- Electrical Drop Capability, per OC48	NHZC5	–	6,266.00	
- DS1 Drop Capability,[1]	NHZD5	–	600.00	
- Hub DS1 Port, Electrical Drop[2]	DHR15	–	86.40	
- Hub DS3 Port, Electrical Drop	DHR25	–	180.00	
- Hub DS3 Ring Mux Port	DJN55	\$272.50	1,384.00	
- Hub STS1 Port, Electrical Drop	DHR35	–	180.00	
- Hub STS1 Ring Mux Port	DJN65	272.50	1,384.00	

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15. SELF-HEALING NETWORK SERVICE**

**15.99 GRANDFATHERED SERVICES AND TERMS**

**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 5. Grandfathered Rate and Charges – 60 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
- Hub OC3 Port, Electrical Drop	DHR45	–	\$ 400.00	
- Hub OC3 Ring Mux Port	DJN75	\$485.00	751.00	
- Hub OC12 Port, Electrical Drop	DHR55	–	800.00	
-- Hub OC12 Ring Mux Port	DJN85	485.00	2,052.80	
- Hub OC3 Port, Optical Drop	DHR65	–	326.00	
- Hub OC12 Port, Optical Drop	DHR75	–	541.00	
- Hub OC48/OC48c Port, Optical Drop	DHR85	–	929.00	
- Hub OC48/OC48c Ring Mux Port,	DJN95	485.00	6,113.00	(M)

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 5. Grandfathered Rate and Charges – 60 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	(M)
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
- Optical Drop Capability, per OC96	NNGB5	–	\$6,869.00	
- Electrical Drop Capability, per OC48	NNGC5	–	6,266.00	
- DS1 Drop Capability,[1]	NNGD5	–	600.00	
- Access DS1 Port, Electrical Drop[2]	DHW15	–	86.40	
- Access DS3 Port, Electrical Drop	DHW25	–	180.00	
- Access DS3 Ring Mux Port	DH455	\$272.50	1,384.00	
- Access STS1 Port, Electrical Drop	DHW35	–	180.00	
- Access STS1 Ring Mux Port	DH465	272.50	1,384.00	

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

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**15.99.1 SELF-HEALING NETWORK SERVICE (SHNS)**

- C. Additional Drop Capability; Optical Drop Capability per OC96, Electrical Drop Capability per OC48 and all types of Ports associated with Pricing Plans  
 5. Grandfathered Rate and Charges – 60 Months

	<b>USOC</b>	<b>NONRECURRING CHARGE</b>	<b>MONTHLY RATE</b>	<b>(M)</b>
• Bandwidth Capacity of 9.952 Gbps (Cont'd)				
-Access OC3 Port, Electrical Drop	DHW45	–	\$ 400.00	
-Access OC3 Ring Mux Port	DH475	\$485.00	751.00	
-Access OC12 Port, Electrical Drop	DHW55	–	800.00	
-Access OC12 Ring Mux Port	DH485	485.00	2,052.80	
-Access OC3 Port, Optical Drop	DHW65	–	326.00	
-Access OC12 Port, Optical Drop	DHW75	–	541.00	
-Access OC48/OC48c Port, Optical Drop	DHW85	–	929.00	
-Access OC48 Ring Mux Port	DH495	485.00	6,113.00	<b>(M)</b>

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