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.

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 and one SHNS node must be located at the customer premises. 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 or OC48 ports (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. (C) (C) (C)

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. (C)

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 U S WEST Communications Technical Publication PUB 77332. (T) | (T)

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, in any applicable combination, may be ordered. (T) (C)

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 may be ordered in any applicable combination.

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 may be ordered in any applicable combination.

E. SHNS with a Bandwidth Capacity of 9.952 Gbps (N)

For SHNS with a Bandwidth Capacity of 9.952 Gbps, only the DS1 Ports, DS3 Ports, STS1 Ports, OC3 Ports, OC12 and OC48 Ports may be ordered in any applicable combination. (N)

[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

There are seven 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) (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), 622.08 Mbps (OC12) and 1.244 Gbps (OC24) (N) (N)

   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. (T)

2. For Bandwidth Capacity of 2.488 Gbps (0C48) (N)

   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. The OC48 Access 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 OC48 Access Node can accommodate up to 168 DS1s, as set forth in a., following. (T) (T) (C)

   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 capablity 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. (C)

   a. Add/Drop Capability for a DS1 Port on 2.488 Gbps System (N)

      The DS1 Port Add/Drop Capablity 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 Capablity allows for 84 DS1 Ports with a maximum of two Add/Drop Capablities 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. (N)

Certain material previously found on this page can be found on Page 15-6.1.

15. SELF-HEALING NETWORK SERVICE

15.1 GENERAL

15.1.2 RATE CATEGORIES (T)

A. Access Node (Cont'd) (T)

3. For Bandwidth Capacity of 9.952 Gbps (OC192) (N)

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. The OC192 Access 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. DS1 ports may also be ordered with an OC48 electrical drop capability via the DS1 port drop capability. Each DS1 Port drop capability allows for 84 DS1 ports with a maximum of two per OC48 electrical drop capabilities; therefore, an OC48 electrical drop capability can accommodate up to 168 DS1s. 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. (N)

Certain material previously found on this page can now be found on Page 15-6.2.

15. SELF-HEALING NETWORK SERVICE

15.1 GENERAL
15.1.2 RATE CATEGORIES

B. Access Port (M)

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). (T)(M) (C)(M) (C)(M)

C. Hub Node

1. For Bandwidth Capacity of 155.52 Mbps (OC3), 622.08 Mbps (OC12) and 1.244 Gbps (OC24)

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. (M)

Certain material previously found on this page can now be found on Page 15-6.3.
Certain material on this page formerly appeared on Page 15-6.1.

15. SELF-HEALING NETWORK SERVICE

15.1 GENERAL

15.1.2 RATE CATEGORIES

C. Hub Node (Cont'd) (M)

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.

For 2.488 Gbps, the Hub Node base rate element includes twelve (12) DS3 drop capabilities when the service is provisioned with DS3 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 Hub Node. An OC48 Hub Node can accommodate up to 168 DS1s, as set forth in a., following.

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 capablity of the OC48 bandwidth. Up to three 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.

a. Add/Drop Capability for a DS1 Port on 2.488 Gbps System

The DS1 Port Add/Drop Capablity 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 Capablity allows for 84 DS1 Ports with a maximum of two Add/Drop Capablities 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. (M)

Certain material on this page formerly appeared on Page 15-6.2.

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) (N)

   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. Ths OC192 Hub Node base rate element is capable of supporting electrical or optical drop capability. (N)

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. (T) (C) (C) (T) (C) (C) (T)

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. 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). (T) (C)

E. Interoffice Transport

The Interoffice Transport rate category provides for the transmission facilities between directly connected 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 directly connected Company wire centers located on the SHNS.

Mileage is shown in terms of a per mile rate between Company wire centers. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4, and multiply the rates shown by the distance involved. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rate.

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, (T)
- a SHNS OC12 Port to a Company Service OC12, (N)
- a SHNS OC48 Port to a Company Service OC48 or (N)
- 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. (C) (C)

   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. (T) (C)

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. (T) (C)

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. (T)

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 U S WEST Communications 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 U S WEST Communications 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.

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 U S WEST Communications Technical Publication PUB 77324 and Technical Reference GR-342-CORE.

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. (N)

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 U S WEST Communications Technical Publication PUB 77332.

15. SELF-HEALING NETWORK SERVICE

15.2 TECHNICAL PERFORMANCE SPECIFICATIONS (Cont'd)

15.2.6 SHNS (2.488 GBPS) OC48 (N)

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 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 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 arrangement as set forth in 15.4.1, following, will apply on a per Port basis. (N)

Certain material previously found on this page can now be found on Page 15-11.1.

15. SELF-HEALING NETWORK SERVICE

15.2 TECHNICAL PERFORMANCE SPECIFICATIONS (Cont'd)

15.2.7 CAPACITY (T)(M)

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. (M)

Bandwidth Capacity of 9.952 Gbps (N)

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. (N)

Certain material sound on this page formerly appeared on Page 15-11.

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 U S WEST Communications Technical Publication PUB 77332. (T)

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:

NCI CODE	SHNS CAPACITY	
02FCF.B	155.52 Mbps	(S-y)
02FCF.D	622.08 MBps	|
02FCF.F	1.244 Gbps	|
02FCF.H	2.488 Gbps	(S-y)
	DS3 OR DS1 INTERFACE	
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	

(y) Reissued matter filed under Transmittal No. 498 to become effective August 8, 1994.

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. (S-y)
HORC	Synchronous Digital High Capacity (OC1 and Higher) using a Ring Topology with Customer Software Reconfiguration Capability Option. (S-y)

(y) Reissued matter filed under Transmittal No. 498 to become effective August 8, 1994.

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. (T)

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. (T)

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.

(y) Reissued matter filed under Transmittal No. 498 to become effective August 8, 1994.

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] (C)

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. (C)

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. (N)

Certain material previously found on this page can now be found on Page 15-18.1.

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, (M)
- 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), (M)
- 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.

Certain material on this page formerly appeared on Page 15-18.

15. SELF-HEALING NETWORK SERVICE

15.4 RATE REGULATIONS
15.4.4 MOVES

B. Moves to a Different Building Utilizing Portability (Cont'd) (S-y)

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), (S-y)

(y) Reissued matter filed under Transmittal No. 498 to become effective August 8, 1994.

15. SELF-HEALING NETWORK SERVICE

15.4 RATE REGULATIONS
15.4.4 MOVES

B.2.(Cont'd) (S-y)

- 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. (S-y)

(y) Reissued matter filed under Transmittal No. 498 to become effective August 8, 1994.

15. SELF-HEALING NETWORK SERVICE

15.4 RATE REGULATIONS
15.4.4 MOVES

B. Moves to a Different Building Utilizing Portability (Cont'd) (S-y)

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. (S-y)

(y) Reissued matter filed under Transmittal No. 498 to become effective August 8, 1994.

15. SELF-HEALING NETWORK SERVICE

15.4 RATE REGULATIONS
15.4.4 MOVES (Cont'd)

C. Moves to a Different Building (C)

1. Moves Not Eligible for Portability (T)

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 (N)

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. (N)

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 (C)

A. Control Node to Hub Node (N)

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. (N)

15. SELF-HEALING NETWORK SERVICE

15.4 RATE REGULATIONS (T)
15.4.6 NODE CHANGES (Cont'd) (T)

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. (N)

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. (N)

15. SELF-HEALING NETWORK SERVICE

15.4 RATE REGULATIONS (Cont'd)

15.4.7 FIXED PERIOD RATE PLANS (T)

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 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 May 29, 1995, Termination Liability and Waiver Policy will be in effect for all new customers subscribing to the Fixed Period Rate Plans. (T) (T) (T)

SHNS may be ordered at the customer's option on a month-to-month basis or for fixed periods of 12, 24, 36, 60, or 120 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. (T)

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. (T) (T) (T) (T)

A. General

Customers may subscribe to SHNS on a month-to-month basis with a minimum service period of 1 year, except as set forth in 2.4.2. Alternatively, the customer may subscribe to a 12-, 24-, 36-, 60-, or 120-month[2] Fixed Period Rate Plan. The customer must specify the length of the Fixed Period Rate Plan at the time the service is ordered. The minimum service period for Fixed Period Rate Plan service is 12 months, except as set forth in 2.4.2. (C) (T) (C)

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] (C)

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. (N) | | (N)

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 (N) (N)

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. (C) (C)

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. (C) (C)

Certain material previously found on this page can now be found on Page 15-21.5.

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 (N)

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 Fixed Period Rate Plan with an additional 10% (ten percent) discount over the customers' existing 12 Month Fixed Period Rate Plan rates. The new 12 Month 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. Termination Liability and Waiver Policy as set forth in 15.4.8, will not apply. An upgrade of an existing 12 Month Fixed Period Rate Plan to a 36 or 60 Month Fixed Period Rate Plan is not eligible for this offer.

To be eligible for the upgrade to a new 12 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 12 Month 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. (N)

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 (N)

   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 Fixed Period Rate Plan with an additional 10% (ten percent) discount over the customers' existing 24 Month Fixed Period Rate Plan rates. The new 24 Month 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. Termination Liability and Waiver Policy as set forth in 15.4.8, will not apply. An upgrade of an existing 24 Month Fixed Period Rate Plan to a 36 or 60 Month Fixed Period Rate Plan is not eligible for this offer.

   To be eligible for the upgrade to a new 24 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 24 Month 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. (N)

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 (N)

   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 Fixed Period Rate Plan with an additional 10% (ten percent) discount over the customers' existing 36 Month Fixed Period Rate Plan rates. The new 36 Month 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. Termination Liability and Waiver Policy as set forth in 15.4.8, will not apply. An upgrade of an existing 36 Month Fixed Period Rate Plan to a 60 Month Fixed Period Rate Plan is not eligible for this offer.

   To be eligible for the upgrade to a new 36 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 36 Month 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. (N)

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 (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. 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. Termination Liability and Waiver Policy as set forth in 15.4.8, will not apply. (C)

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 (C)
- The SHNS channel interface and the customer designated premises must remain the same.

15. SELF-HEALING NETWORK SERVICE

15.4 RATE REGULATIONS
15.4.7 FIXED PERIOD RATE PLANS (Cont'd)

C. Discontinuance Charges[1] (M)

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. (M)

[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. (M) (M)

Certain material on this page formerly appeared on Page 15-21.

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] (C)

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. (N)

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 (S-y)

- 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. (S-y)

(y) Reissued matter filed under Transmittal No. 498 to become effective August 8, 1994.

(Instant revisions filed under Transmittal No. 513 pursuant to Special Permission No. 94-857.)

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 (T)

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.

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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 (T)

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, (T)
- 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 (T)

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, (T)
- 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) (T)

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

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 (N)

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. (N)

15. SELF-HEALING NETWORK SERVICE

15.4 RATE REGULATIONS
15.4.7 FIXED PERIOD RATE PLANS (Cont'd)

H. SHNS Promotion – June 1, 2000 through September 30, 2000 (N)

The following promotional offering is available to new or existing customers who subscribe to a 36- or 60-month fixed period rate plan from June 1, 2000 through September 30, 2000. 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.

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:

- A 36-month fixed period rate plan: The customer will receive credit for the nonrecurring charges associated with SHNS Ports, Nodes and Interoffice Transport. In addition a 1 month credit will be applied to the 13th full billing month.

- A 60 month fixed period rate plan: The customer will receive credit for the nonrecurring charges associated with SHNS Ports, Nodes and Interoffice Transport. In addition 2 months of credit will be applied. Credit for the first month will be applied in to the 13th full billing month, and credit for the second month will be applied in to the 25th full billing month.

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.

The nonrecurring charge credits will appear on the 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. (N)

Certain material previously found on this page can now be found on Page 15-28.1.2.

15. SELF-HEALING NETWORK SERVICE

15.4 RATE REGULATIONS (Cont'd)

15.4.8 TERMINATION LIABILITY AND WAIVER POLICY

A. General (M)

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. (M)

[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. (M)

Certain material on this page formerly appeared on Page 15.28.1.1.

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; (T)

- 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; (C) (C) (T)

- 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; (T)

- 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; (T)

- 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 (T)

- 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. (T)

15. SELF-HEALING NETWORK SERVICE (T)

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. (T) (T)

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. (T) (C) (T) (T) (T)

Existing SHNS customers with a 60-month SHNS Fixed Period Rate Plan may request the SRP when the following conditions are met: (T)

- The SHNS is provided by the Company and the minimum service period of the existing SHNS Fixed Period Rate Plan has been met, (T)
- The SHNS channel interface and the customer-designated premises remain the same, (T)
- The customer meets the Waiver of termination charge as set forth in 15.4.8.C., preceding, and (T)
- The Company determines that the customer's total interstate PLTS revenue amounts are within a SRP revenue level category. (T)

15. SELF-HEALING NETWORK SERVICE

15.4 RATE REGULATIONS
15.4.10 SHNS REVENUE PLAN (Cont'd) (T)

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. (N)

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. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

A. Self-Healing Network Service - Monthly

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Bandwidth Capacity of 155.52 Mbps				
• Hub Node, per Hub Wire Center	NGHAX	–	$1,750.00	
• Hub DS1 Port	DHHBX	$250.00	108.00	
• Hub DS3 Port	DHHCX	298.67	750.00	
• Hub STS1 Port	DHRAX	298.67	750.00	
• Access Node, per Customer Premises	NGGAX	–	1,750.00	
• Access DS1 Port	DHGBX	250.00	108.00	
• Access DS3 Port	DHGCX	298.67	750.00	
• Access STS1 Port	DHWAX	298.67	750.00	
• Control Node, per Wire Center	NOSCM	–	1,100.00	(N) (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

A. Self-Healing Network Service - Monthly (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
2. Bandwidth Capacity of 622.08 Mbps				
• Hub Node, per Hub Wire Center	NGZAX	–	$3,690.00	
• Hub DS1 Port	DHHDX	$250.00	108.00	
• Hub DS3 Port	DHZBX	272.50	287.50	
• Hub STS1 Port	DHRBX	272.50	287.50	
• Hub OC3 Port	DHHXX	485.00	600.00	
• Access Node, per Customer Premises	NGYAX	–	3,690.00	
• Access DS1 Port	DHGDX	250.00	108.00	
• Access DS3 Port	DHYBX	272.50	287.50	
• Access STS1 Port	DHWBX	272.50	287.50	
• Access OC3 Port	DHGXX	485.00	600.00	
• Control Node, per Wire Center	NOSDM	–	2,500.00	(N) (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

A. Self-Healing Network Service - Monthly (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
3. Bandwidth Capacity of 1.244 Gbps[1]				(C)
• 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	

[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. (N) (N)

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 2.488 Gbps				
• Hub Node base rate includes 84 DS1s (maximum of 168), or 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 Drop Capability				(C)
- Per Hub Wire Center	NGHEX	–	$7,120.00 (R)	(C)
• 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				(N)
- Each increment[1]	SHZXM	–	1,200.00	
• DS1 Port Add-Drop Capability, maximum of 2 per Hub Node[2]				
- Per Hub Node	SHP1M	–	720.00	
• Hub DS1 Port[2]	DHRVX	$250.00	108.00	(N)
• Hub DS3 Port	DHHFX	272.50	225.00	
• Hub STS1 Port	DHRDX	272.50	230.00	
• Hub OC3 Port	DHH8X	485.00	480.00 (R)	
• Hub OC12 Port	DJZEX	485.00	960.00 (R)	

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

Certain material previously found on this page can be found on Page 15-30.2.

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

A.4. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• Access Node base rate includes 84 DS1s (maximum of 168), 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 Drop Capability - Per Customer Premises	NGGEX	–	$7,120.00	
• 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]	SHZXM	–	1,200.00	
• DS1 Port Add-Drop Capability, maximum of 2 per Access Node[2] - Per Access Node	SHV1M	–	720.00	
• Access DS1 Port[2]	DHWVX	$250.00	108.00	
• Access DS3 Port	DHGFX	272.50	225.00	
• Access STS1 Port	DHWDX	272.50	230.00	
• Access OC3 Port	DHG8X	485.00	480.00	
• Access OC12 Port	DJ3EX	485.00	960.00	
• Control Node, per Wire Center	NOSEM	–	4,500.00	(N) (N)

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

Certain material on this page formerly appeared on Page 15-30.1.

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

A. Self-Healing Network Service - Monthly (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Bandwidth Capacity of 9.952 Gbps				(N)
• Hub Node base rate per Hub Wire Center	NHZAM	–	$6,077.00	
• Optical Drop Capability, per OC96	NHZBM	–	8,204.00	
• Electrical Drop Capability, per OC48	NHZCM	–	7,485.00	
• DS1 Drop Capability, [1]	NHZDM	–	720.00	
• Hub DS1 Port, Electrical Drop [2]	DHR1M	$250.00	108.00	
• Hub DS3 Port, Electrical Drop	DHR2M	272.50	225.00	
• Hub STS1 Port, Electrical Drop	DHR3M	272.50	225.00	
• Hub OC3 Port, Electrical Drop	DHR4M	485.00	480.00	
• Hub OC12 Port, Electrical Drop	DHR5M	485.00	960.00	
• Hub OC3 Port, Optical Drop	DHR6M	485.00	389.00	
• Hub OC12 Port, Optical Drop	DHR7M	485.00	646.00	
• Hub OC48/OC48c Port, Optical Drop	DHR8M	485.00	1,110.00	(N)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

A.5. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• Access Node base rate	NNGAM	–	$6,077.00	(N)
• Optical Drop Capability, per OC96	NNGBM	–	8,204.00	
• Electrical Drop Capability, per OC48	NNGCM	–	7,485.00	
• DS1 Drop Capability, [1]	NNGDM	–	720.00	
• Access DS1 Port, Electrical Drop [2]	DHW1M	$250.00	108.00	
• Access DS3 Port, Electrical Drop	DHW2M	272.50	225.00	
• Access STS1 Port, Electrical Drop	DHW3M	272.50	225.00	
• Access OC3 Port, Electrical Drop	DHW4M	485.00	480.00	
• Access OC12 Port, Electrical Drop	DHW5M	485.00	960.00	
• Access OC3 Port, Optical Drop	DHW6M	485.00	389.00	
• Access OC12 Port, Optical Drop	DHW7M	485.00	646.00	
• Access OC48/OC48c Port, Optical Drop	DHW8M	485.00	1,110.00	
• Control Node, per Wire Center	NOSXM	–	6,077.00	(N)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

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15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

A. Self-Healing Network Service - Monthly (Cont'd)

6. Interoffice Transport, per Bandwidth Capacity, per mile (T)

MILEAGE BANDS	USOC	MONTHLY RATE	
155.52 Mbps through 2.488 Gbps			(T)
0	1HXQX	–	
Over 0	1HXQS	$150.00	
9.952 Gbps			
0	1HXQX	–	(N)
Over 0	1HXQS	405.00	(N)

7. Central Office Connecting Channel (T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Per connection of same speeds[1]	CU5QS	$12.50	$ 10.00

8. 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

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Bandwidth Capacity of 155.52 Mbps				
• Hub Node, per Hub Wire Center	NGHMX	–	$1,750.00	
• Hub DS1 Port	DHHNX	$250.00	108.00	
• Hub DS3 Port	DHHPX	298.67	750.00	
• Hub STS1 Port	DHREX	298.67	750.00	
• Access Node, per Customer Premises	NGGMX	–	1,750.00	
• Access DS1 Port	DHGNX	250.00	108.00	
• Access DS3 Port	DHGPX	298.67	750.00	
• Access STS1 Port	DHWEX	298.67	750.00	
• Control Node, per Wire Center	NOSC1	–	1,100.00	(N) (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

B. Self-Healing Network Service - 12 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
2. Bandwidth Capacity of 622.08 Mbps				
• Hub Node, per Hub Wire Center	NGZEX	–	$3,690.00	
• Hub DS1 Port	DHHQX	$250.00	108.00	
• Hub DS3 Port	DHZFX	272.50	287.50	
• Hub STS1 Port	DHRFX	272.50	287.50	
• Hub OC3 Port	DJZGX	485.00	600.00	
• Access Node, per Customer Premises	NGYEX	–	3,690.00	
• Access DS1 Port	DHGQX	250.00	108.00	
• Access DS3 Port	DHYFX	272.50	287.50	
• Access STS1 Port	DHWFX	272.50	287.50	
• Access OC3 Port	DJ3GX	485.00	600.00	
• Control Node, per Wire Center	NOSD1	–	2,500.00	(N) (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

B. Self-Healing Network Service - 12 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
3. Bandwidth Capacity of 1.244 Gbps[1]				(C)
• 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	

[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. (N) (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

B. Self-Healing Network Service - 12 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
4. Bandwidth Capacity of 2.488 Gbps				
• Hub Node base rate includes 84 DS1s (maximum of 168), or 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 Drop Capability				(C)
- Per Hub Wire Center	NGHGX	–	$7,120.00 (R)	(C)
• 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				(N)
- Each increment[1]	SHZX1	–	1,200.00	
• DS1 Port Add-Drop Capability, maximum of 2 per Hub Node[2]				
- Per Hub Node	SHP11	–	720.00	
• Hub DS1 Port[2]	DHRWX	$250.00	108.00	(N)
• Hub DS3 Port	DHHHX	272.50	225.00	
• Hub STS1 Port	DHRHX	272.50	230.00	
• Hub OC3 Port	DJZSX	485.00	480.00 (R)	
• Hub OC12 Port	DJZUX	485.00	960.00 (R)	

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability**.** (N)

Certain material previously found on this page can be found on Page 15-33.2.

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

B.4. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• 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	NGGGX	–	$7,120.00	
• 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	
• DS1 Port Add-Drop Capability, maximum of 2 per Access Node[2] - Per Access Node	SHV11	–	720.00	
• Access DS1 Port	DHWWX	$250.00	108.00	
• Access DS3 Port	DHGHX	272.50	225.00	
• Access STS1 Port	DHWHX	272.50	230.00	
• Access OC3 Port	DJ3SX	485.00	480.00	
• Access OC12 Port	DJ3UX	485.00	960.00	
• Control Node, per Wire Center	NOSE1	–	4,500.00	(N) (N)

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

Certain material on this page formerly appeared on Page 15-33.1.

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

B. Self-Healing Network Service - 12 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Bandwidth Capacity of 9.952 Gbps				(N)
• Hub Node base rate per Hub Wire Center	NHZA1	–	$6,077.00	
• Optical Drop Capability, per OC96	NHZB1	–	8,204.00	
• Electrical Drop Capability, per OC48	NHZC1	–	7,485.00	
• DS1 Drop Capability, [1]	NHZD1	–	720.00	
• Hub DS1 Port, Electrical Drop [2]	DHR11	$250.00	108.00	
• Hub DS3 Port, Electrical Drop	DHR21	272.50	225.00	
• Hub STS1 Port, Electrical Drop	DHR31	272.50	225.00	
• Hub OC3 Port, Electrical Drop	DHR41	485.00	480.00	
• Hub OC12 Port, Electrical Drop	DHR51	485.00	960.00	
• 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	(N)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

B.4. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• Access Node base rate	NNGA1	–	$6,077.00	(N)
• 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	225.00	
• Access STS1 Port, Electrical Drop	DHW31	272.50	225.00	
• Access OC3 Port, Electrical Drop	DHW41	485.00	480.00	
• Access OC12 Port, Electrical Drop	DHW51	485.00	960.00	
• 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	
• Control Node, per Wire Center	NOSX1	–	6,077.00	(N)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

B. Self-Healing Network Service - 12 Months (Cont'd)

6. Interoffice Transport, per Bandwidth Capacity, per mile (T)

MILEAGE BANDS	USOC	MONTHLY RATE	
155.52 Mbps through 2.488 Gbps			(T)
0	1HXRX	–	
Over 0	1HXRS	$150.00	
9.952 Gbps			(N)
0	1HXQX	–	|
Over 0	1HXQS	405.00	(N)

7. Optional Features and Functions (T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
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

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Bandwidth Capacity of 155.52 Mbps				
• Hub Node, per Hub Wire Center	NGHYX	–	$1,750.00	
• Hub DS1 Port	DHHZX	$250.00	108.00	
• Hub DS3 Port	DHH1X	298.67	750.00	
• Hub STS1 Port	DHRJX	298.67	750.00	
• Access Node, per Customer Premises	NGGYX	–	1,750.00	
• Access DS1 Port	DHGZX	250.00	108.00	
• Access DS3 Port	DHG1X	298.67	750.00	
• Access STS1 Port	DHWJX	298.67	750.00	
• Control Node, per Wire Center	NOSC2	–	1,100.00	(N) (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

C. Self-Healing Network Service - 24 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
2. Bandwidth Capacity of 622.08 Mbps				
• Hub Node, per Hub Wire Center	NGZJX	–	$3,690.00	
• Hub DS1 Port	DHH2X	$250.00	108.00	
• Hub DS3 Port	DHZKX	272.50	287.50	
• Hub STS1 Port	DHRKX	272.50	287.50	
• Hub OC3 Port	DJZWX	485.00	600.00	
• Access Node, per Customer Premises	NGYJX	–	3,690.00	
• Access DS1 Port	DHG2X	250.00	108.00	
• Access DS3 Port	DHYKX	272.50	287.50	
• Access STS1 Port	DHWKX	272.50	287.50	
• Access OC3 Port	DJ3WX	485.00	600.00	
• Control Node, per Wire Center	NOSD2	–	2,500.00	(N) (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

C. Self-Healing Network Service - 24 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
3. Bandwidth Capacity of 1.244 Gbps[1]				(C)
• 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	

[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. (N) (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

C. Self-Healing Network Service - 24 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
4. Bandwidth Capacity of 2.488 Gbps				
• Hub Node base rate includes 84 DS1s (maximum of 168), or 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 Drop Capability				(C)
- Per Hub Wire Center	NGHJX	–	$7,120.00 (R)	(C)
• 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				(N)
- Each increment[1]	SHZX2	–	1,200.00	
• DS1 Port Add-Drop Capability, maximum of 2 per Hub Node[2]				
- Per Hub Node	SHP12	–	720.00	
• Hub DS1 Port[2]	DHRXX	$250.00	108.00	(N)
• Hub DS3 Port	DHHKX	272.50	225.00	
• Hub STS1 Port	DHRMX	272.50	230.00	
• Hub OC3 Port	DJZ7X	485.00	480.00 (R)	
• Hub OC12 Port	DJZ9X	485.00	960.00 (R)	

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

Certain material previously found on this page can be found on Page 15-36.2.

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

C.4. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• 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	NGGJX	–	$7,120.00	
• 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	
• DS1 Port Add-Drop Capability, maximum of 2 per Access Node[2] - Per Access Node	SHV12	–	720.00	
• Access DS1 Port	DHWXX	$250.00	108.00	
• Access DS3 Port	DHGKX	272.50	225.00	
• Access STS1 Port	DHWMX	272.50	230.00	
• Access OC3 Port	DJ37X	485.00	480.00	
• Access OC12 Port	DJ39X	485.00	960.00	
• Control Node, per Wire Center	NOSE2	–	4,500.00	(N) (N)

[1] Maximum of 3 Additional Drop Capabilities in addition to the base node.

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability.

Certain material on this page formerly appeared on Page 15-36.1.

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

C. Self-Healing Network Service - 24 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Bandwidth Capacity of 9.952 Gbps				(N)
• Hub Node base rate per Hub Wire Center	NHZA2	–	$6,077.00	
• 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 STS1 Port, Electrical Drop	DHR32	272.50	225.00	
• Hub OC3 Port, Electrical Drop	DHR42	485.00	480.00	
• Hub OC12 Port, Electrical Drop	DHR52	485.00	960.00	
• 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	(N)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

C.4. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• Access Node base rate	NNGA2	–	$6,077.00	(N)
• 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 STS1 Port, Electrical Drop	DHW32	272.50	225.00	
• Access OC3 Port, Electrical Drop	DHW42	485.00	480.00	
• Access OC12 Port, Electrical Drop	DHW52	485.00	960.00	
• 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	
• Control Node, per Wire Center	NOSX2	–	6,077.00	(N)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

C. Self-Healing Network Service - 24 Months (Cont'd)

6. Interoffice Transport, per Bandwidth Capacity, per mile (T)

MILEAGE BANDS	USOC	MONTHLY RATE	
155.52 Mbps through 2.488 Gbps			(T)
0	1HXSX	–	
Over 0	1HXSS	$150.00	
9.952 Gbps			(N)
0	1HXQX	–	|
Over 0	1HXQS	405.00	(N)

7. Optional Features and Functions (T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
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

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Bandwidth Capacity of 155.52 Mbps				
• Hub Node, per Hub Wire Center	NJZAX	–	$1,575.00	
- Vintage[1]			1,368.00	
• Hub DS1 Port	DJZBX	$250.00	97.20	
• Hub DS3 Port	DJZCX	298.67	675.00	
• Hub STS1 Port	DHRNX	298.67	675.00	
• Access Node, per Customer Premises	NJ3AX	–	1,575.00	
- Vintage[1]			1,368.00	
• Access DS1 Port	DJ3BX	250.00	97.20	
• Access DS3 Port	DJ3CX	298.67	675.00	
• Access STS1 Port	DHWNX	298.67	675.00	
• Control Node, per Wire Center	NOSC3	–	1,000.00	(N) (N)

[1] Vintage rate in effect 3/23/92 through 7/31/95.

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

D. Self-Healing Network Service - 36 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
2. Bandwidth Capacity of 622.08 Mbps				
• Hub Node, per Hub Wire Center	NGZNX	–	$3,188.00 (R)	
- Vintage[1]			3,321.00	(N)
• Hub DS1 Port	DJZDX	$250.00	97.20	
• Hub DS3 Port	DHZPX	272.50	258.75	
• Hub STS1 Port	DHROX	272.50	258.75	
• Hub OC3 Port	DJXAX	485.00	540.00	
- Vintage[2]			500.00	(T)
• Access Node, per Customer Premises	NGYNX	–	3,188.00 (R)	
- Vintage[1]			3,321.00	(N)
• Access DS1 Port	DJ3DX	250.00	97.20	
• Access DS3 Port	DHYPX	272.50	258.75	
• Access STS1 Port	DHWOX	272.50	258.75	
• Access OC3 Port	DJ4AX	485.00	540.00	
- Vintage[2]			500.00	(T)
• Control Node, per Wire Center	NOSD3	–	2,200.00	

[1] Vintage rate in effect 8/1/95 through 6/30/99. (N)

[2] Vintage rate in effect 8/8/94 through 7/31/95. (T)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

D. Self-Healing Network Service - 36 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
3. Bandwidth Capacity of 1.244 Gbps[1]				
• Hub Node, per Hub Wire Center	NGZQX	–	$5,287.50	
• Hub DS3 Port	DHZRX	$272.50	225.00	
• Hub STS1 Port	DHRPX	272.50	225.00	
• Hub OC3 Port	DJXCX	485.00	540.00	
- Vintage[2]			500.00	(N)
• Hub OC12 Port	DJXEX	485.00	1,000.00	
• Access Node, per Customer Premises	NGYQX	–	5,287.50	
• Access DS3 Port	DHYRX	272.50	225.00	
• Access STS1 Port	DHWPX	272.50	225.00	
• Access OC3 Port	DJ4CX	485.00	540.00	
- Vintage[2]			500.00	(N)
• Access OC12 Port	DJ4EX	485.00	1,000.00	

[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.

[2] Vintage rate in effect 8/8/94 through 7/31/95. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

D. Self-Healing Network Service - 36 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
4. Bandwidth Capacity of 2.488 Gbps				
• Hub Node base rate includes 84 DS1s (maximum of 168), or 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 Drop Capability				
- Per Hub Wire Center	NGHRX	–	$6,336.00 (R)	
- Vintage[1]			6,600.00	(N)
• 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[2]	SHZX3	–	1,100.00	(T)
• DS1 Port Add-Drop Capability, maximum of 2 per Hub Node[3]				(T)
- Per Hub Node	SHP13	–	660.00	
• Hub DS1 Port[3]	DHRYX	$250.00	97.20	(T)
• Hub DS3 Port	DHHSX	272.50	202.50	
• Hub STS1 Port	DHRQX	272.50	202.50	
• Hub OC3 Port	DJXGX	485.00	440.00	
• Hub OC12 Port	DJXJX	485.00	880.00	

[1] Vintage rate in effect 3/28/97 through 6/30/99. (N)
[2] Maximum of 3 Additional Drop Capabilities in addition to the base node. (T)
[3] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (T)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

D.4. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• 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	NGGRX	–	$6,336.00 (R)	
- Vintage[1]			6,600.00	(N)
• 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[2]	SHZX3	–	1,100.00	(T)
• DS1 Port Add-Drop Capability, maximum of 2 per Access Node[3]				(T)
- Per Access Node	SHV13	–	660.00	
• Access DS1 Port	DHWYX	$250.00	97.20	
• Access DS3 Port	DHGSX	272.50	202.50	
• Access STS1 Port	DHWQX	272.50	202.50	
• Access OC3 Port	DJ4GX	485.00	440.00	
• Access OC12 Port	DJ4JX	485.00	880.00	
• Control Node, per Wire Center	NOSE3	–	3,600.00	

[1] Vintage rate in effect 3/28/97 through 6/30/99. (N)
[2] Maximum of 3 Additional Drop Capabilities in addition to the base node. (T)
[3] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (T)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

D. Self-Healing Network Service - 36 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Bandwidth Capacity of 9.952 Gbps				(N)
• Hub Node base rate per Hub Wire Center	NHZA3	–	$5,591.00	
• Optical Drop Capability, per OC96	NHZB3	–	7,548.00	
• Electrical Drop Capability, per OC48	NHZC3	–	6,886.00	
• DS1 Drop Capability, [1]	NHZD3	–	660.00	
• Hub DS1 Port, Electrical Drop [2]	DHR13	$250.00	97.20	
• Hub DS3 Port, Electrical Drop	DHR23	272.50	202.50	
• Hub STS1 Port, Electrical Drop	DHR33	272.50	202.50	
• Hub OC3 Port, Electrical Drop	DHR43	485.00	440.00	
• Hub OC12 Port, Electrical Drop	DHR53	485.00	880.00	
• Hub OC3 Port, Optical Drop	DHR63	485.00	358.00	
• Hub OC12 Port, Optical Drop	DHR73	485.00	594.00	
• Hub OC48/OC48c Port, Optical Drop	DHR83	485.00	1,021.00	(N)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

D.4. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• Access Node base rate	NNGA3	–	$5,591.00	(N)
• 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	$250.00	97.20	
• Access DS3 Port, Electrical Drop	DHW23	272.50	202.50	
• Access STS1 Port, Electrical Drop	DHW33	272.50	202.50	
• Access OC3 Port, Electrical Drop	DHW43	485.00	440.00	
• Access OC12 Port, Electrical Drop	DHW53	485.00	880.00	
• Access OC3 Port, Optical Drop	DHW63	485.00	358.00	
• Access OC12 Port, Optical Drop	DHW73	485.00	594.00	
• Access OC48/OC48c Port, Optical Drop	DHW83	485.00	1,021.00	
• Control Node, per Wire Center	NOSX3	–	5,591.00	(N)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

D. Self-Healing Network Service - 36 Months (Cont'd)

6. Interoffice Transport, per Bandwidth Capacity, per mile (T)

MILEAGE BANDS	USOC	MONTHLY RATE	
155.52 Mbps through 2.488 Gbps			(T)
0	1HXTX	–	
Over 0	1HXTS	$135.00	
Vintage[1]		104.60	
9.952 Gbps			(N)
0	1HXQX	–	|
Over 0	1HXQS	365.00	(N)

7. Optional Features and Functions (T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
a. Software Reconfiguration Capability, per SHNS	SRK3X	–	$450.00
b. OC3 CO Multiplexing,			
per multiplexer	MPECX		790.00
DS1 Port, per Port	S9NC3	$250.00	43.20

[1] Vintage rate in effect 5/2/91 through 7/31/95.

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES (Cont'd)

E. Self-Healing Network Service - 60 Months

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
1. Bandwidth Capacity of 155.52 Mbps				
• Hub Node, per Hub Wire Center	NJZMX	–	$1,400.00	
- Vintage[1]			1,216.00	
• Hub DS1 Port	DJZNX	$250.00	86.40	
• Hub DS3 Port	DJZPX	298.67	600.00	
• Hub STS1 Port	DHRRX	298.67	600.00	
• Access Node, per Customer Premises	NJ3MX	–	1,400.00	
- Vintage[2]			1,216.00	
• Access DS1 Port	DJ3NX	250.00	86.40	
• Access DS3 Port	DJ3PX	298.67	600.00	
• Access STS1 Port	DHWRX	298.67	600.00	
• Control Node, per Wire Center	NOSC5	–	900.00	(N) (N)

[1] Vintage rate in effect 2/7/92 through 7/31/95.

[2] Vintage rate in effect 6/24/94 through 7/31/95.

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

E. Self-Healing Network Service - 60 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
2. Bandwidth Capacity of 622.08 Mbps				
• Hub Node, per Hub Wire Center	NGZSX	–	$2,775.00 (R)	
- Vintage[1]			2,952.00	(N)
• Hub DS1 Port	DJZQX	$250.00	86.40	
• Hub DS3 Port	DHZTX	272.50	230.00	
• Hub STS1 Port	DHRSX	272.50	230.00	
• Hub OC3 Port	DJXLX	485.00	480.00	
• Access Node, per Customer Premises	NGYSX	–	2,775.00 (R)	
- Vintage[1]			2,952.00	(N)
• Access DS1 Port	DJ3QX	250.00	86.40	
• Access DS3 Port	DHYTX	272.50	230.00	
• Access STS1 Port	DHWSX	272.50	230.00	
• Access OC3 Port	DJ4LX	485.00	480.00	
• Control Node, per Wire Center	NOSD5	–	2,000.00	

[1] Vintage rate in effect 8/1/95 through 6/30/99. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

E. Self-Healing Network Service - 60 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
3. Bandwidth Capacity of 1.244 Gbps[1]				(C)
• Hub Node, per Hub Wire Center	NGZUX	–	$4,700.00	
• Hub DS3 Port	DHZVX	$272.50	200.00	
• Hub STS1 Port	DHRTX	272.50	200.00	
• Hub OC3 Port	DJXNX	485.00	480.00	
• Hub OC12 Port	DJXQX	485.00	920.00	
• Access Node, per Customer Premises	NGYUX	–	4,700.00	
• Access DS3 Port	DHYVX	272.50	200.00	
• Access STS1 Port	DHWTX	272.50	200.00	
• Access OC3 Port	DJ4NX	485.00	480.00	
• Access OC12 Port	DJ4QX	485.00	920.00	

[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. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

E. Self-Healing Network Service - 60 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
4. Bandwidth Capacity of 2.488 Gbps				
• Hub Node base rate includes 84 DS1s (maximum of 168), or 12 DS3s, or 12 STS1s, or 4 OC3s, or 1 OC12 Drop Capability				
- Per Hub Wire Center	NGHTX	–	$5,640.00 (R)	
- Vintage[1]			6,000.00	(N)
• 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[2]	SHZX5	–	1,000.00	(T)
• DS1 Port Add-Drop Capability, maximum of 2 per Hub Node[3]				(T)
- Per Hub Node	SHP15	–	600.00	
• Hub DS1 Port[3]	DHRZX	$250.00	86.40	(T)
• Hub DS3 Port	DHHUX	272.50	180.00	
• Hub STS1 Port	DHRUX	272.50	180.00	
• Hub OC3 Port	DJXSX	485.00	400.00	
• Hub OC12 Port	DJXUX	485.00	800.00	

[1] Vintage rate in effect 3/28/97 through 6/30/99. (N)
[2] Maximum of 3 Additional Drop Capabilities in addition to the base node. (T)
[3] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (T)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

E.4. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• 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	–	$5,640.00 (R)	
- Vintage[1]			6,000.00	(N)
• 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[2]	SHZX5	–	1,000.00	(T)
• DS1 Port Add-Drop Capability, maximum of 2 per Access Node[3]				(T)
- Per Access Node	SHV15	–	600.00	
• Access DS1 Port	DHWZX	$250.00	86.40	
• Access DS3 Port	DHGUX	272.50	180.00	
• Access STS1 Port	DHWUX	272.50	180.00	
• Access OC3 Port	DJ4SX	485.00	400.00	
• Access OC12 Port	DJ4UX	485.00	800.00	
• Control Node, per Wire Center	NOSE5	–	3,200.00	

[1] Vintage rate in effect 3/28/97 through 6/30/99. (N)
[2] Maximum of 3 Additional Drop Capabilities in addition to the base node. (T)
[3] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (T)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

E. Self-Healing Network Service - 60 Months (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
5. Bandwidth Capacity of 9.952 Gbps				(N)
• Hub Node base rate per Hub Wire Center	NHZA5	–	$5,088.00	
• 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	$250.00	86.40	
• Hub DS3 Port, Electrical Drop	DHR25	272.50	180.00	
• Hub STS1 Port, Electrical Drop	DHR35	272.50	180.00	
• Hub OC3 Port, Electrical Drop	DHR45	485.00	400.00	
• Hub OC12 Port, Electrical Drop	DHR55	485.00	800.00	
• Hub OC3 Port, Optical Drop	DHR65	485.00	326.00	
• Hub OC12 Port, Optical Drop	DHR75	485.00	541.00	
• Hub OC48/OC48c Port, Optical Drop	DHR85	485.00	929.00	(N)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

E.5. (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• Access Node base rate	NNGA5	–	$5,088.00	(N)
• 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	$250.00	86.40	
• Access DS3 Port, Electrical Drop	DHW25	272.50	180.00	
• Access STS1 Port, Electrical Drop	DHW35	272.50	180.00	
• Access OC3 Port, Electrical Drop	DHW45	485.00	400.00	
• Access OC12 Port, Electrical Drop	DHW55	485.00	800.00	
• Access OC3 Port, Optical Drop	DHW65	485.00	326.00	
• Access OC12 Port, Optical Drop	DHW75	485.00	541.00	
• Access OC48/OC48c Port, Optical Drop	DHW85	485.00	929.00	
• Control Node, per Wire Center	NOSX5	–	5,088.00	(N)

[1] Maximum of 8 DS1 Drop Capabilities per OC192 System. (N)

[2] DS1 Port must be ordered in conjunction with the DS1 Port Add-Drop Capability. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

E. Self-Healing Network Service - 60 Months (Cont'd)

6. Interoffice Transport, per Bandwidth Capacity, per mile (T)

MILEAGE BANDS	USOC	MONTHLY RATE	
155.52 Mbps through 2.488 Gbps			(T)
0	1HXVX	–	
Over 0	1HXVS	$120.00	
Vintage[1]		92.98	
9.952 Gbps			(N)
0	1HXQX	–	|
Over 0	1HXQS	324.00	(N)

7. Optional Features and Functions (T)

	USOC	NONRECURRING CHARGE	MONTHLY RATE
a. Software Reconfiguration Capability, per SHNS	SRK4X	–	$400.00
b. OC3 CO Multiplexing,			
per multiplexer	MPECX		765.00
DS1 Port, per Port	S9NC5	$250.00	40.00

[1] Vintage rate in effect 5/2/91 through 7/31/95.

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	
- Vintage[2]			1,064.00	(N)
• Hub DS1 Port	DJZZX	$250.00	86.40	
- Vintage[3]			75.60	(N)
• Hub DS3 Port	DJZ1X	298.67	600.00	
• Access Node, per Customer Premises	NJ3YX	–	1,400.00	
- Vintage[2]			1,064.00	(N)
• Access DS1 Port	DJ3ZX	250.00	86.40	
- Vintage[2]			75.60	(N)
• Access DS3 Port	DJ31X	298.67	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.

[2] Vintage rate in effect 2/7/92 through 7/31/95. (N)

[3] Vintage rate in effect 7/27/94 through 7/31/95. (N)

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	–	$2,952.00	
- Vintage[2]			2,604.00	(N)
• Hub DS1 Port	DJZ2X	$250.00	86.40	
- Vintage[3]			75.60	(N)
• Hub DS3 Port	DHZYX	272.50	230.00	
- Vintage[4]			206.50	(N)
- Vintage[5]			107.94	(N)
• Hub OC3 Port	DJXWX	485.00	480.00	
• Access Node, per Customer Premises	NGYWX	–	2,952.00	
- Vintage[6]			2,604.00	(N)
• Access DS1 Port	DJ32X	250.00	86.40	
- Vintage[7]			75.60	(N)
• Access DS3 Port	DHYYX	272.50	230.00	
- Vintage[8]			206.50	(N)
- Vintage[9]			107.94	(N)
• Access OC3 Port	DJ4WX	485.00	480.00	

[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.

[2] Vintage rate in effect 6/17/93 through 7/31/95. (N)

[3] Vintage rate in effect 2/7/92 through 7/31/95.

[4] Vintage rate in effect 7/27/90 through 7/31/95.

[5] Vintage rate in effect 7/19/90 through 3/22/92.

[6] Vintage rate in effect 1/1/94 through 7/31/95.

[7] Vintage rate in effect 3/23/92 through 7/31/95.

[8] Vintage rate in effect 7/2/93 through 7/31/95.

[9] Vintage rate in effect 9/2/90 through 3/22/92. (N)

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	
3. Bandwidth Capacity of 1.244 Gbps				
• Hub Node, per Hub Wire Center	NGZZX	–	$4,700.00	
- Vintage[2]			4,333.00	(N)
• Hub DS3 Port	DHZ1X	$272.50	200.00	
• Hub OC3 Port	DJXYX	485.00	480.00	
• Hub OC12 Port	DJX1X	485.00	920.00	
• Access Node, per Customer Premises	NGYZX	–	4,700.00	
- Vintage[3]			4,333.00	(N)
• Access DS3 Port	DHY1X	272.50	200.00	
• Access OC3 Port	DJ4YX	485.00	480.00	
• Access OC12 Port	DJ41X	485.00	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.

[2] Vintage rate in effect 6/17/93 through 7/31/95. (N)

[3] Vintage rate in effect 1/1/94 through 7/31/95. (N)

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
4. Bandwidth Capacity of 2.488 Gbps			
• Hub Node, per Hub Wire Center	NGHVX	–	$10,000.00
• Hub DS3 Port	DHHWX	$272.50	180.00
• Hub OC3 Port	DJX3X	485.00	480.00
• Hub OC12 Port	DJX5X	485.00	920.00
• Access Node, per Customer Premises	NGGVX	–	10,000.00
• Access DS3 Port	DHGWX	272.50	180.00
• Access OC3 Port	DJ43X	485.00	480.00
• Access OC12 Port	DJ45X	485.00	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. (T)

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

MILEAGE BANDS	USOC	MONTHLY RATE	
0	1HXYX	–	
Over 0	1HXYS	$120.00	
Vintage[2]		81.35	(N)

6. Optional Features and Functions

	USOC	NONRECURRING CHARGE	MONTHLY RATE
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.

[2] Vintage rate in effect 5/2/91 through 7/31/95. (N)

15. SELF-HEALING NETWORK SERVICE

15.5 RATES AND CHARGES

15.5.1 SHNS REVENUE PLAN 60 MONTHS (N)

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 +

	USOC	MONTHLY RATE
B. Bandwidth Capacity of 622.08 Mbps		
1. Hub Node, per Hub Wire Center		
• Level One	NGZS1	$2,651.00
• Level Two	NGZS2	2,528.00
• Level Three	NGZS3	2,280.00
2. Hub DS3 Port, per port		
• Level One	DHZT1	213.00
• Level Two	DHZT2	195.00
• Level Three	DHZT3	160.00 (N)

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) (T)

	USOC	MONTHLY RATE	(N)
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	(N)

16. RESERVED FOR FUTURE USE

17. TRIAL SERVICES OR ARRANGEMENTS

Alphabetical By SUBJECT **PAGE** (N)

17. TRIAL SERVICES OR ARRANGEMENTS

17.1 GENERAL

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

A. The trial services or arrangements are not offered under other sections of this Tariff.

B. The trial services or arrangements will be offered for a limited time as specified in 17.3.

C. If and when the Telephone Company elects to offer a trial service or arrangement on a regular basis as a standard service offering, such trial service or arrangement will be filed in the appropriate tariff section(s) after the trial period. Normal rates and tariff regulations will then apply to all purchasers of Service. Participants of the trial service or arrangement will then order the standard service offering.

D. The Telephone Company and participant representatives shall jointly agree upon, and engage in, an evaluation of a trial. This evaluation of the trial will include any tests or rearrangements conducted jointly on the service or arrangement as well as determining how effectively the service or arrangement works with other telecommunications services. Any joint evaluation shall be performed, and concluded, prior to the end date of the trial. In the event the trial is terminated earlier than the end date, any obligation the parties have with respect to evaluation shall cease without liability, of any kind, attaching to any party.

17. TRIAL SERVICES OR ARRANGEMENTS

17.2 LIMITATIONS

A. The Telephone Company is not prohibited or restricted in ability or capacity to engage with other participants in similar or other trial services or arrangements.

B. The Telephone Company makes no guarantee, warranty, or representation to continue a trial service or arrangement beyond the end date or to convert it to a standard service offering.

C. The Telephone Company reserves the right to make changes which might cause interruptions. Credit allowance for service interruptions will apply as set forth in 2.4.4, preceding.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS (Cont'd)

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

A. **TRIAL NO:** **NAME:** (C-x)
START DATE: **END DATE:** (C-x)

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 95-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

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(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

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(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(D-x)

(x) Issued under the authority of Special Permission No. 96-637.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(x) Issued under the authority of Special Permission No. 95-1010.

17. TRIAL SERVICES OR ARRANGEMENTS

17.3 TRIALS

(D-x)

(x) Issued under the authority of Special Permission No. 95-1010.

18. DARK FIBER

Alphabetical By SUBJECT **PAGE** (N)

18. DARK FIBER

U S WEST Communications currently has a Section 214 Application pending before the Federal Communications Commission to exit the Dark Fiber business.

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

18.1 DESCRIPTION

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

Technical Specifications for Dark Fiber are delineated in U S WEST Communications Technical Publication PUB 77348. (T) (T)

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

18.2 RATE CATEGORIES

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

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

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

18. DARK FIBER

18.2 RATE CATEGORIES (Cont'd)

A. Dark Fiber - Basic, Recurring Rate

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

B. Dark Fiber - Basic, Nonrecurring Charge

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

18.3 ORDERING

18.3.1 DARK FIBER OPTIONS AND CONDITIONS

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

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

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

18. DARK FIBER

18.4 RATES AND CHARGES FOR DARK FIBER

The rates and charges for Dark Fiber are as follows:

18.4.1 ALL STATES

	USOC	NONRECURRING CHARGE	MONTHLY RATE
• Dark Fiber - Basic, per two fiber, per mile[1]	1A5CS	–	$532.00 (R)
• Dark Fiber - Basic, per order	NRBDO	$239.07	–

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

19. RESERVED FOR FUTURE USE (T)

(D)

Certain material previously found on this page can now be found on Page 13-5.

19. RESERVED FOR FUTURE USE (T)

(D)

Certain material previously found on this page can now be found on Page 6-65.1, 6-63, 6-81.1, 6-87 and 13-5.

19. RESERVED FOR FUTURE USE (T)

(D)

Certain material previously found on this page can now be found on Page 6-56.1, 6-56.2, 6-63, 6-63.1, 6-81.1, 6-81.2 and 6-87.1.

19. RESERVED FOR FUTURE USE (T)

(D)

19. RESERVED FOR FUTURE USE (T)

(D)

19. RESERVED FOR FUTURE USE (T)

(D)

19. RESERVED FOR FUTURE USE (T)

(D)

Certain material previously found on this page can now be found on Page 6-63.1and 6-87.1.

19. RESERVED FOR FUTURE USE (T)

(D)

19. RESERVED FOR FUTURE USE (T)

(D)

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20. COMMON CHANNEL SIGNALING NETWORK

Alphabetical By SUBJECT **PAGE**

20. COMMON CHANNEL SIGNALING NETWORK

The Company's Common Channel Signaling Network (CCSN) is a digital data network carrying signaling information that interfaces with the Company's voice/data network for services using the American National Standards Institute (ANSI) CCS7 signaling protocol. (T)

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY

20.1.1 GENERAL DESCRIPTION

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

Certain material previously found on this page can now be found on Page 20-1.1 and 20-1.2.

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY
20.1.1 GENERAL DESCRIPTION (Cont'd)

A. Call Set-Up (T)(M)

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

B. Foreign Data Base Queries (N)

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

Certain material on this page formerly appeared on Page 20-1.

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY
20.1.1 GENERAL DESCRIPTION (Cont'd)

C. Line Information Data Base (LIDB) Service (T)(M)

Line Information Data Base (LIDB) Service provides the customer the ability to query, in the form of signaling information, the Company's LIDB via the Company's CCSAC. LIDB provides customers with information that can be used to facilitate completion of calls. LIDB is available for Validation Service and Originating Line Number Screening (OLNS). Customers requesting LIDB must (T)
order CCSAC, as set forth in 20.1.1 and LIDB as set forth in 20.2.3, following. (T)(M)

D. Local Number Portability Data Base Service (T)

Local Number Portability (LNP) Data Base Service provides the customer the ability to query, in the form of signaling information, the Company's LNP data base via the Company's CCSAC. The LNP Data Base provides customers with Location Routing Number (LRN) information for a Local Service Provider by NNX code. Customers requesting LNP must order CCSAC, as set forth in 20.1.1 and LNP as set forth in 20.2.4, following, or the customer may access the LNP Data Base information as set forth in 13.19.1, preceding. (T)

Certain material on this page formerly appeared on Page 20-1.

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (Cont'd)

20.1.2 SERVICE DESCRIPTION

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

A. Entrance Facility

The Entrance Facility provides the connection from the customer's SPOI to the serving wire center (SWC) of the customer's SPOI on a dedicated DS1 facility ordered as set forth in this section and is utilized exclusively for the transmission of network control signaling data only. The customer may utilize an existing DS1 Entrance Facility previously ordered from this section for additional CCS Links or order a new DS1 Entrance Facility from this section. The customer may also choose to utilize a portion (i.e., DS1) of an existing DS3 facility under the regulations of Shared Use. The DS3 facility can only be ordered from Section 6 or Section 7, preceding. Multiplexing arrangements and the associated regulations (T)
are described as set forth in 6.1.2., preceding. When the customer chooses to use a (T)
portion of an existing DS3 facility, the customer must allocate, at the minimum, one dedicated DS1 for the provision of the signaling links. Rate applications for Shared Use are set forth in Section 2.7, preceding.

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY
20.1.2 SERVICE DESCRIPTION (Cont'd)

B. Direct Link Transport (DLT)

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

Company hubbing arrangements can be utilized for CCSAC. If the customer has an existing DS3 facility between the SWC of the customer's premises and a Company Hub**,** ordered and provisioned as set forth in Section 6 or Section 7, preceding, the customer may utilize a portion (i.e., DS1) of the existing DS3 facility for the CCS Link(s) under the provisions of the Shared Use regulations as set forth in Section 2.7, preceding. In addition, the customer must order the DS1 or DSO DLT from the Company Hub to the Company STP. (T)

When the customer orders a DS1 DLT facility from the SWC of the customer's SPOI or a Company Hub to a Company STP, it is dedicated to, and controlled by, the customer. The customer must order a DS1 to DSO Multiplexer at the Company STP for termination into the STP Port. Multiplexing rates are set forth in 20.3, following. (T)

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

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (Cont'd)

20.1.3 RATE CATEGORIES AND APPLICATIONS

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

A. Nonrecurring Charges

1. Installation Charges

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

2. CCSAC Option Activation Charge

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

3. Service Rearrangements

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

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY
20.1.3 RATE CATEGORIES AND APPLICATIONS (Cont'd)

B. Monthly Charges

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

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

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

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

Certain material previously found on this page can now be found on Page 20-5.2.

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY
20.1.3 RATE CATEGORIES AND APPLICATIONS (Cont'd)

C. Message Charges

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

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

Message charges are assessed in the following manner.

1. Signal Formulation

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

2. Signal Transport

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

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

Certain material previously found on this page can now be found on Page 20-5.2.

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY

20.1.3 RATE CATEGORIES AND APPLICATIONS

C. Message Charges (Cont'd)

3. Signal Switching (N)

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

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

D. Query Charges (T)(M)

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

20.1.4 NETWORK MANAGEMENT (M)

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

Certain material on this page formerly appeared on Page 20-5 and 20-5.1.

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (Cont'd)

20.1.5 ORDERING REQUIREMENTS

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

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

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

The Company will allow Company provided hubbing arrangements in association with CCSAC. If the customer has an existing DS3 facility (ordered and provisioned from Section 6 or Section 7) to a Company Hub, the customer may use a portion of the DS3 facility (i.e., DS1) for the CCS Link(s) from the SWC of the customer's SPOI to the Company Hub and then order the DS1 or DSO DLT from the Company Hub to the Company's STP. If the customer requests a DS1 DLT, multiplexing equipment must be ordered at the Company's STP. CCSAC orders are subject to the provisions (e.g., access order intervals, modification charges, cancellation charges and minimum periods) specified in Section 5, preceding. (T)

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

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (Cont'd)

20.1.6 SERVICE PROVISIONING

CCSAC transmission specifications, diversity requirements, testing parameters and design requirements for STP Links (i.e., CCS Signaling Links) are set forth in Technical References GR-905-CORE, GR-954-CORE and U S WEST Communications Technical Publication PUB 77342. CCSAC network interface specifications between the Company STP location and the customer's STP location supporting Integrated Services Digital Network (ISDN) signaling are described in Technical Reference GR-905-CORE. CCSAC is provided from either the customer's Signaling Point (SP) which requires a minimum of two STP Links and two STP Ports or from the customer's Signaling Transfer Point (STP) which requires a minimum of four STP Links and four STP Ports. A group of signaling links that connect the same two signaling points is described as a link set. There are a maximum of 16 signaling links located within one link set. The quantity of CCS Links required is based upon diversity requirements. Diversity is provided as mutually agreed upon by the Company and the customer based upon the availability of facilities from the customer's SPOI location to the Company's STP. If applicable, Tariff F.C.C. No. 2 Special Construction regulations and charges apply. (T)

20.1.7 PERFORMANCE REQUIREMENTS

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

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

20. COMMON CHANNEL SIGNALING NETWORK

20.1 COMMON CHANNEL SIGNALING ACCESS CAPABILITY (Cont'd)

20.1.8 TESTING REQUIREMENTS

A. Acceptance Testing Requirements

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

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

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

B. Additional Cooperative Acceptance Testing Requirements

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

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS

20.2.1 CALL SET-UP (T)

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

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

20.2.2 FOREIGN DATA BASE QUERIES (N)

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

Certain material previously found on this page can now be found on Page 20-9.1.

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS

20.2.3 LINE INFORMATION DATA BASE SERVICE (T)(M)

A. General Description

The Company's Line Information Data Base (LIDB) contains information about working telephone numbers or accounts that can be used by the customer to facilitate completion of calls. LIDB is available for both Validation Service and OLNS Service as described in 1. and 2., following. LIDB is accessed via the (T)
Company's CCSAC. A customer requesting LIDB for Validation and/or OLNS (T)
must order CCSAC as set forth in 20.1, preceding, and LIDB as set forth following. Once LIDB is established, the customer has access to both Validation and OLNS applications.

A customer requesting LIDB information originates a LIDB query from the customer's Operator Service System (OSS) identified by the Service Switching Point (SSP) Originating Point Code (OPC) to the Regional STP pair as designated by the Company. The customer's OPC is translated in the STP. The STP translation process validates the OPC and routes the query to and from the Service Control Point (SCP) which stores all LIDB information. OPC data is recorded in the SCP and later used by the Company to bill the customer the applicable rates as (M)
set forth in 20.3, following. (T)(M)

Certain material on this page formerly appeared on Page 20-9.

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS
20.2.3 LINE INFORMATION DATA BASE SERVICE (Cont'd) (T)

B. LIDB Applications

1. Validation Service

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

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

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

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS
20.2.3 LINE INFORMATION DATA BASE SERVICE (T)

B. LIDB Applications (Cont'd)

2. OLNS Service

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

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS
20.2.3 LINE INFORMATION DATA BASE SERVICE (Cont'd) (T)

C. LIDB Ordering Requirements

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

D. LIDB Provisioning

LIDB is accessed via the Company's CCSAC. LIDB customers must arrange CCSAC access as set forth in 20.1, preceding. Technical Specifications for LIDB Service are described in Technical References GR-954-CORE, GR-1158-CORE and in U S WEST Communications Technical Publication PUB 77342. All query messages destined for the Company's LIDB require a routing indicator to be set for further Global Title Translations (GTTs). The Company performs the final GTT. The Company will provide to the customer all necessary network accessing information (e.g., regional STP point codes, SCP point codes, sub system number, physical points of interconnection, signal link codes, identity of interconnecting link sets, primary and alternate routes) of the Company's LIDB application. (T)

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

1. Routine Updates

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

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS
20.2.3 LINE INFORMATION DATA BASE SERVICE (T)

D. LIDB Provisioning (Cont'd)

2. Immediate Updates

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

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

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

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

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS
20.2.3 LINE INFORMATION DATA BASE SERVICE (Cont'd) (T)

E. LIDB Limitations

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

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

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

F. LIDB Performance Requirements

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

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

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS
20.2.3 LINE INFORMATION DATA BASE SERVICE (Cont'd) (T)

G. LIDB Testing Requirements

1. Acceptance Testing Requirements

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

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

2. Additional Cooperative Acceptance Testing Requirements

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

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS
20.2.3 LINE INFORMATION DATA BASE SERVICE (Cont'd) (T)

H. LIDB Rate Categories and Applications

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

1. LIDB Access Transport Query

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

2. Validation Service Query

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

3. OLNS Service Query

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

4. Service Rearrangements

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

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

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS (Cont'd)

20.2.4 LOCAL NUMBER PORTABILITY DATA BASE SERVICE (T)

A. General

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

B. Ordering Requirements

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

C. Provisioning Requirements

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

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

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS
20.2.4 LOCAL NUMBER PORTABILITY DATA BASE SERVICE (T)

C. Provisioning Requirements (Cont'd)

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

D. Testing Requirements

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

E. Performance Requirements

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

20. COMMON CHANNEL SIGNALING NETWORK

20.2 CCSAC SERVICE APPLICATIONS
20.2.4 LOCAL NUMBER PORTABILITY DATA BASE SERVICE (Cont'd) (T)

F. Rate Categories

A LNP Data Base Query Charge as described following is assessed when the customer utilizes CCSAC links to access the Company's LNP data base. Rates and charges for the LNP Data Base Query Charge are set forth in 20.3.3, following. (T)

1. LNP Data Base Query Charge

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

2. Service Rearrangements

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

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

20. COMMON CHANNEL SIGNALING NETWORK (T)

20.3 RATES AND CHARGES (T)

20.3.1 CCSAC (T)

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

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

(y) Reissued matter filed under Transmittal No. 847 to become effective July 1, 1997

Certain material previously found on this page can now be found on Page 20-12.
Certain material on this page formerly appeared on Page 20-20.

20. COMMON CHANNEL SIGNALING NETWORK

20.3 RATES AND CHARGES
20.3.1 CCSAC (Cont'd)

C. CCS Link

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• First CCS Link	NRBS1	$567.00	–	
• Each additional	NRBSA	180.00	–	
D. STP PORT, per port	PT8SX	–	$465.00 (I)	
E. Multiplexing				
• DS1 to Voice	QMVXX	–	268.00	
• DS3 to DS1[1]	QM3XX	–	310.00	
F. CCSAC Option Activation Charge				(S-y)
• Basic Translations, per order				
- First point code	NRB7P	139.00	–	
- Each additional point code	NRB7Q	9.50	–	
• Data Base Translations, per order				
- First point code	NRBL6	158.00	–	
- Each additional point code	NRBL7	57.00	–	(S-y)

[1] For Shared Use only as set forth in Section 2.7, preceding.
(y) Reissued matter filed under Transmittal No. 922 to become effective June 19, 1998.

20. COMMON CHANNEL SIGNALING NETWORK

20.3 RATES AND CHARGES
20.3.1 CCSAC (Cont'd)

	RATE	
G. Message Charge		(N)
1. Signal Formulation		
• ISUP, Per call set-up request	$0.000829	
2. Signal Transport		
• ISUP, Per call set-up request	0.000559	
• TCAP, Per data request	0.000418	
3. Signal Switching		
• Per ISUP, Per call set-up request	0.001162	
• Per TCAP, Per data request	0.000460	(N)

Certain material previously found on this page can now be found on Page 20-18.

20. COMMON CHANNEL SIGNALING NETWORK

20.3 RATES AND CHARGES (Cont'd)

20.3.2 LINE INFORMATION DATA BASE SERVICE (M)

	RATE PER QUERY	
• Per Access Transport Query	$0.000484	(T)
• Per Validation Service Query	0.034000	(T)
• Per OLNS Service Query	0.014179	(T)(M)

20.3.3 LOCAL NUMBER PORTABILITY DATA BASE SERVICE

• Per LNP Query	0.000747	(D) (T)

Certain material on this page formerly appeared on Page 20-17.

20. COMMON CHANNEL SIGNALING NETWORK (T)

20.3 RATES AND CHARGES (Cont'd) (T)

(D)

Certain material previously found on theis page can now be found on Page 20-14.

20. COMMON CHANNEL SIGNALING NETWORK (T)

20.3 RATES AND CHARGES (Cont'd) (T)

Certain material previously found on this page can now be found on Page 20-15

20. COMMON CHANNEL SIGNALING NETWORK (T)

20.3 RATES AND CHARGES (Cont'd) (T)

Certain material previously found on this page can now be found on Page 20-16.

20. COMMON CHANNEL SIGNALING NETWORK (T)

20.3 RATES AND CHARGES (Cont'd) (T)

Certain material previously found on this page can now be found on Page 20-17.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.1 GENERAL

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

- Private Line Transport Service (PLTS)
  - Analog PLTS, as set forth in 21.2.1, following,
  - DDS Service,
  - DS1 Service,
  - DS3 Service or
  - CO Multiplexing Optional Feature

- Switched Access Service
  - DS1 capacity,
  - DS3 capacity or
  - Multiplexing Optional Feature

- Frame Relay Service (FRS)
  - 56 or 64 kbps and
  - 1.544 Mbps
  - 45 Mbps (N)

- MegaCentral Service
  - 1.544 Mbps and
  - 45 Mbps

- ATM Cell Relay Service
  - 45 Mbps

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.1 GENERAL (Cont'd)

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.1 GENERAL (Cont'd)

EIC Service is provided pursuant to the regulations, rates and charges contained in this Tariff and in accordance with U S WEST Communications Technical Publication PUB 77386.

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

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

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

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

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

(N)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.1 GENERAL (Cont'd)

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

- The interconnector-owned fiber optic facility and IDE must be ordered by and billed to the same COR, (T)

- The EICT and its associated Company-provided interstate service(s) may be ordered by and billed to the COR of the IDE. (N) (N)

- The EICT may be ordered by and billed to a designated COR when the customer has obtained a letter of authorization (LOA) from the COR of the IDE and provides the LOA to the Company before ordering the EICT. In addition, the interstate service(s) connected to the EICT may be ordered and billed to either the interstate service customer of record, the designated EICT customer of record or the COR of the IDE. (C) (C)

- CO multiplexing requested for an EICT must be ordered by and billed to the EICT customer of record. (T)

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

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

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.2 SERVICE DESCRIPTIONS

21.2.1 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND INTERCONNECTION TIE PAIRS (C)

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

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

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

  Private Line Transport Service EICT DDS, may be connected to Company FRS. An ITP 1.544, EICT 1.544, ITP 44.736, and EICT 44.736 Mbps may be connected to Company FRS or MegaCentral Service, and an EICT 45 Mbps or ITP 45 Mbps may be connected to Company ATM CRS. (C) (C) (S-y) (C)

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

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

(y) Reissued matter filed under Transmittal No. 1041 to become effective January 18, 2000.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.2 SERVICE DESCRIPTIONS

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

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.2 SERVICE DESCRIPTIONS

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

A. Types of Expanded Interconnection Channel Terminations and Interconnection Tie Pairs (C)

1. EICT Analog PLTS

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

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

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

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.2 SERVICE DESCRIPTIONS

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

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

2. EICT DDS

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

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

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.2 SERVICE DESCRIPTIONS

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

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

3. EICT 1.544 and EICT DS1 (T)

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

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

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

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

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

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

An EICT DS3 is provided between the IDE and Company PLTS DS3 Service or Switched Access Service DS3 capacity while an EICT 44.736 or 45 Mbps is provided for MegaCentral Service, FRS and ATM CRS. CO multiplexing for the EICT may be ordered from Sections 6 and 7, preceding, by the EICT customer. (T) (S-y) (T)

(y) Reissued matter filed under Transmittal No. 1041 to become effective January 18, 2000.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.2 SERVICE DESCRIPTIONS

21.2.1 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND INTERCONNECTION TIE PAIRS (C)

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

5. ITP at 1.544 Mbps and ITP DS1 (N)

An ITP at 1.544 Mbps and ITP DS1 are provided between the IDE and Company provided service. They deliver an attenuated signal as specified in U S WEST Communications Technical Publication PUB 77386. This ITP may also apply when associated with FRS and MegaCentral Service.

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

An ITP at 44.736 or 45 Mbps and ITP DS3 are provided between the IDE and Company provided service. They deliver an attenuated signal as specified in U S WEST Communications Technical Publication PUB 77386. This ITP may also apply when associated with FRS, MegaCentral Service, and ATM CRS. (N)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE

21.3.1 GENERAL REGULATIONS

A. The regulations for Shared Use set forth in 2.7, preceding, are applicable for the EICT and ITP provided under VEIC Service. (C)

B. The offering of VEIC Service contemplates the use of existing Entrance Facilities. There may be occasions where the VEIC Service is not available due to these structure limitations, or where it may be necessary to construct such facilities. Should additional Entrance Facilities be desired for immediate VEIC Service, all costs of constructing such structures will be included in the applicable nonrecurring charges as set forth in 21.4, following. The Company will offer two points of entry to a particular wire center to interconnectors only if the Company has at least two Company cable entry points. However, where all but one of the entry points are at capacity, the Company will provide only one entry point.

C. The regulations described herein are in addition to the terms and conditions found elsewhere in this Tariff. The Company's obligation to prepare a quotation for VEIC Service is contingent upon the Company's receipt of a Quotation Preparation Fee (QPF) and VEIC Order Form. The Company's obligation to provide VEIC Service after receipt of the QPF and VEIC Order Form is contingent upon receipt of the signed Quotation Summary form and nonrecurring charges as set forth in 21.4, following.

D. VEIC Order Form

1. The VEIC Order Form defines the structure necessary to allow entrance into the Company wire center for VEIC Service. This information needs to include, but is not limited to, company name, address, contact name and telephone number, wire center address, interconnector fiber optic facility information and the specified interconnector-designated basic transmission terminating equipment.

2. Microwave VEIC Service is ordered on a VEIC Microwave Order Form.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE
21.3.1 GENERAL REGULATIONS (Cont'd)

E. The Company will not extend Dark Fiber, as set forth in Section 18, preceding, to IDE nor connect PLTS or Switched Access Service EICTs or ITPs to Company Dark Fiber. (C)

F. EICTs and ITPs can be ordered by and billed to the customer of record of the IDE and interconnector-owned fiber optic facility at the Company-designated point of interconnection serving the wire center or as set forth in 21.1, preceding. (C)

G. The Company will work cooperatively with the customer of record of the IDE and interconnector-owned fiber optic facility in matters of joint testing and maintenance, as set forth in Section 13, preceding. When the customer of record of the IDE and interconnector-owned fiber optic facility is different from the customer of record of the EICT or ITP, the customers are responsible for any coordination required in the matters of testing and maintenance. (C)

H. VEIC Common Components as set forth in 21.5.3, following, are not subject to Shared Use regulations as set forth in 2.7, preceding.

I. The Company is not required to purchase plant or equipment, relinquish forecasted space or facilities, or undertake the construction of new quarters or construct additions to existing quarters in order to satisfy an interconnector's request.

J. The Company is not required to connect interconnector facilities with any Company service (e.g., DS3) at a particular wire center when the Company does not offer that service at that wire center.

K. The interconnector will construct its fiber optic facility to the Company-designated point of interconnection serving the wire center.

L. The Company will work in conjunction with the interconnector to splice the interconnector's fiber optic facility to the Company's fiber optic facility at the Company-designated point of interconnection serving the wire center. The interconnector will not have physical access to the Company wire center building.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE
21.3.1 GENERAL REGULATIONS (Cont'd)

M. The interconnector will pay for the use of the VEIC Entrance Facilities as described in 21.4, following.

N. Equipment and construction costs necessary to provide VEIC Service will be recovered under the appropriate nonrecurring charges as set forth in 21.5, following.

O. The interconnector will be responsible for obtaining and providing to the Company administrative codes, e.g., common language codes, for all equipment specified by the interconnector and installed in wire center buildings. These codes, commonly obtained from the equipment manufacturer or Telcordia, must be consistent with those used by the Company. (T)

P. The interconnector will be responsible for payment of training for the maintenance, operation and installation of the IDE when the IDE is different than the equipment used by the Company. VEIC Training charges are described in 21.4, following.

Q. The interconnector will be responsible for payment of charges incurred in the maintenance and/or repair of the IDE as set forth in 21.4, following.

R. The Company does not guarantee the reliability of any IDE. The Company will work cooperatively with the customer to resolve any incompatibilities between equipment types.

S. For VEIC utilizing SONET technology, the customer is responsible to ensure functionality between different vendors' equipment.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE
21.3.1 GENERAL REGULATIONS (Cont'd)

T. Should the customer choose to utilize a reconfiguration software with IDE, the customer is totally responsible for providing the connecting facility assignment and tracking the same.

U. The Company will work with the customer to ensure that the IDE is engineered, standard-designed and installation detailed-designed to meet both the customer's specified needs and to ensure compatibility with Company equipment and operating systems.

V. For VEIC Maintenance Labor, Inspector Labor, Engineering Labor and Equipment Labor, business hours are considered to be Monday through Friday, 8:00 a.m. to 5:00 p.m. and after business hours are after 5:00 p.m. and before 8:00 a.m., Monday through Friday, all day Saturday, Sunday and holidays.

W. The interconnector shall not rearrange, move, disconnect, remove or attempt to repair any facilities contained in a Company-owned facility housing (e.g., above ground cabinets, under ground utility vaults, utility hole, hand hole, etc.) except with prior written consent and presence of a Company-designated inspector.

X. The Central Office Connecting Channel (COCC) rate element does not apply to connections to EIC Service. (N) (N)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE (Cont'd)

21.3.2 APPLICATION FOR VIRTUAL EIC

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

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

U S WEST Communications, Inc.
Expanded Interconnection-Collocation
EIC Product Manager
1801 California St., Rm. 2330
Denver, CO 80202

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

B. The Company will process applications on a first-come, first-served basis as determined by the receipt of the QPF and VEIC Order Form.

C. An Access Order is required for all EICT and ITP requests. (C)

D. A bona fide request for a new type of EICT or ITP shall at a minimum, reference the applicable tariffed service, either Switched or PLTS, as well as describing the specific interface the interconnector requires. (C)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE (Cont'd) (T)

21.3.3 INVENTORY, QPF AND CANCELLATION OF SERVICE (T)

A. Upon receipt of the VEIC Order Form and QPF, the Company will determine the availability of VEIC Entrance Facilities to meet the interconnector's requirements. The Company will respond to the interconnector within five (5) business days as to the ability of the Company to accommodate the interconnector's request for VEIC Service. If the requested wire center is not currently listed in National Exchange Carrier Association Inc., Tariff F.C.C. No. 4 as offering VEIC Service, the response will be no more than fifteen (15) business days. (T) (T)

B. Once the interconnector is notified that VEIC Entrance Facilities are available, the Company will begin work activities to prepare a quotation for the interconnector's request according to the information set forth on the VEIC Order Form. Within twenty five (25) business days of the written notice, the interconnector will be provided a final quotation in writing, except as set forth in I., following, of all nonrecurring charges for the VEIC Service, excluding EICT charges. (T) (M) (T) (M) (M) (T)

C. The interconnector shall have thirty (30) calendar days from the date the Company mails the quotation to the interconnector to respond. During that 30 day period, the VEIC Entrance Facilities will be reserved for the interconnector. If the Company does not receive an acceptance of the quotation within the specified period, the request will be closed and the VEIC Entrance Facilities will be returned to available inventory. (M) (M) (T) (M) (T) (M)

D. The interconnector agrees to meet with the Company, if requested, to review design and construction work plans and establish schedules for the installation of the IDE. (M) (M)

Certain material found on this page formerly appeared on Pages 21-27 and 21-28.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE
21.3.3 INVENTORY, QPF AND CANCELLATION OF SERVICE (Cont'd)

E. 50% of the nonrecurring charges on the quotation (less the QPF) and proof of insurance are due prior to the beginning of any Virtual IDE installation. The nonrecurring charge is payable by check or money order.

F. The Company will notify the interconnector in writing of the completion of the VEIC Service as set forth on the VEIC Order Form.

G. The remaining balance of the nonrecurring charges on the quotation is due to the Company on the VEIC due date. The Company will notify the interconnector in advance if the due date is in jeopardy. EICTs and ITPs may not be ordered prior to the VEIC Service due date and receipt of the balance of the nonrecurring charges. (C)

H. Billing for applicable recurring rates will begin when installation of the IDE has been completed.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE
21.3.3 INVENTORY, QPF AND CANCELLATION OF SERVICE (Cont'd)

I. Change Requests Prior to Final Quote (T)

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

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

J. Change Requests After the Final Quote (T)

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

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE (Cont'd) (T)

21.3.4 IDE TRANSFER OF POSSESSION (T)

A. General (M)

1. When an interconnector purchases IDE and requests VEIC Service with the Company, the following provisions apply. Rates and charges for VEIC Service are set forth in 21.5, following. (M) (M) (T)

2. The interconnector will transfer possession of equipment described in the VEIC Order Form to the Company via a no cost lease subject to the terms and conditions of this Tariff. The sole purpose of the lease is to provide the Company with exclusive possessory rights to the IDE. Title to the IDE shall not pass to the Company at any time. (M) (M)

3. All risk of loss shall be the responsibility of the interconnector, except to the extent as set forth in Section 2, preceding. (M) (M)

4. The interconnector is responsible for providing the Company with OSHA safety requirements associated with the IDE. (M) (T)

5. All installation, maintenance and removal work performed on behalf of the interconnector must be performed by the Company or a Company-authorized vendor. Authorization procedures may be obtained from the Company upon request. (M) (M)

Certain material found on this page formerly appeared on Page 21-30.1.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE
21.3.4 IDE TRANSFER OF POSSESSION (Cont'd)

B. Company Possession of IDE

1. The interconnector shall obtain the IDE described in the VEIC Order Form.

2. The interconnector shall ensure that upon receipt of the IDE by the Company all warranties and access to ongoing technical support are passed through to the Company, all at the interconnector's expense. The interconnector shall advise the manufacturer and seller of the IDE that the IDE will be possessed, installed and maintained by the Company.

3. All IDE installed in Company wire centers must comply with the Telcordia Network Equipment Building System (NEBS) Generic Equipment Requirement GR-63-CORE, Company wire center environmental and transmission standards and any statutory (local, state or federal) and/or regulatory requirements in effect at the time of equipment installation or that subsequently become effective. The interconnector shall provide the Company interface specifications (e.g., electrical, functional, physical and software) of the IDE. (T)

4. When an interconnector purchases IDE and requests the Company to provide VEIC Service, the Company may restrict the type of transmission equipment placed in its wire center (e.g., fiber optic terminals, DS3 and/or DS1 channelization equipment and fiber terminating devices). The Company will evaluate the equipment upon receiving a VEIC request to determine if it is deemed basic transmission terminating equipment. The Company will only receive and possess equipment which it determines is basic transmission terminating equipment conforming to industry standards. Any other equipment will be rejected.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE
21.3.4 IDE TRANSFER OF POSSESSION

B.4. (Cont'd)

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

- all necessary connecting cables (i.e., bay-to-bay and shelf-to-shelf), plug-ins and/or circuit packs,
- all necessary fiber interconnection cable and connectors between the IDE and the Company-designated fiber distribution panel of the fiber distribution frame equipment side,
- all necessary cable and connectors from the IDE to the Company's distributing frame designated as the single point of termination (SPOT),
- all unique tools and test equipment for interconnector-designated equipment,
- initial and subsequently added equipment sized and equipped to handle a minimum of 12 months forecasted growth, (T)
- any necessary equipment for remote monitoring and control and
- synchronization (e.g., timing) for the IDE traceable to a stratum one primary reference source. (T)

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

C. Delivery of IDE and Receipt by the Company

1. The interconnector shall deliver the IDE to the Company-designated delivery point. The interconnector shall ensure that the IDE is packaged in containers to ensure adequate protection against physical damage, static charge, discharge or deterioration, so as to ensure safe delivery to the Company. The interconnector shall ensure that all containers of IDE packaged and shipped to the Company meet the Company's reasonable packaging and shipping specifications. The Company shall be responsible for warehousing, hauling and hoisting IDE once the equipment is at the Company-designated delivery point. (T)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE (T)

21.3.4 IDE TRANSFER OF POSSESSION (T)

C. Delivery of IDE and Receipt by the Company (Cont'd) (T)

2. All IDE shall be received subject to the Company's right of inspection and/or rejection. IDE not conforming to the VEIC Order Form specifications or damaged, will be rejected. The equipment will be held for a reasonable time pending the interconnector's instruction. Nonconforming, rejected and/or damaged equipment will be returned to the interconnector at the interconnector's expense. (T) (T) (M) (M)

3. Physical receipt and possession of IDE by the Company prior to inspection shall not constitute a final acceptance by the Company of the IDE and is without prejudice to any claims that the Company may have against the interconnector. The Company shall have all rights relating to inspection, rejection, revocation of acceptance, latent defects and related matters, which are made available to a buyer under the Uniform Commercial Code. This provision shall not be constituted to make the Company a buyer or owner of the IDE. (T) (T) (M) (M) (T)

D. IDE Installation (T)

1. At the time of initial installation, the Company will cooperatively perform acceptance testing on the IDE with the interconnector. Acceptance testing parameters (e.g., fiber loss terminal to terminal, terminal to terminal operation, alarming, and protective switching) for IDE will be conducted by the Company in accordance with the IDE manufacturer's recommendations. (M) (T) (M) (T) (T)

Certain material found on this page formerly appeared on Pages 21-30.3 and 21-30.4.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE (T)
21.3.4 IDE TRANSFER OF POSSESSION (Cont'd) (T)

E. IDE Change (T)

1. The interconnector will provide the Company a QPF and VEIC Order Form as described in 21.3, preceding, when the interconnector requests to change existing IDE. The Company will provide a quote to the interconnector for the costs associated with the requested change. The quote shall include the installation of all necessary hardware, software and any other identified equipment. The interconnector shall provide all IDE to the Company and pay any and all engineering and installation charges as a result of the change. (M) (M) (T) (M) (M) (T) (M)

2. All terms and conditions of this Tariff shall apply on a going forward basis to the existing and changed IDE as a whole. (M) (T)

3. IDE changes that require the Company to change its own equipment are not permitted. (T) (M)

F. IDE Maintenance (T)

1. The interconnector is responsible for purchasing and maintaining a supply of spares. (M)

2. Upon a service failure, the interconnector is responsible for transportation and delivery of maintenance spares to the Company-specified premises. The interconnector shall deliver the IDE as set forth in C., preceding. The Company will not warehouse any maintenance spares. (M) (T) (M)

3. Upon restoration of the VEIC Service failure, the Company will return the defective equipment to the interconnector, all at the interconnector's expense. (M) (M)

Certain material found on this page formerly appeared on Pages 21-30.4 and 21-30.5.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE (T)
21.3.4 IDE TRANSFER OF POSSESSION (Cont'd) (T)

G. IDE Discontinuance and Removal (T)

1. Voluntary Discontinuance of VEIC Service (M)

a. The Company requests the interconnector to provide thirty (30) days written notice (by certified U. S. Mail, return receipt requested) when the interconnector requests to discontinue VEIC Service. (M)

b. The Company will provide a quote for the costs associated with the engineering and equipment removal of the IDE from its wire center. Such quote will be provided to the interconnector within fourteen (14) calendar days from receipt of the written notice. The interconnector is responsible for paying all removal nonrecurring charges to the Company prior to the Company removing the equipment from its wire center. (M) (T) (M) (M)

c. Upon receipt from the interconnector of the full payment of the nonrecurring charges quoted for the removal of IDE, the Company will negotiate with the interconnector a removal date of the IDE from its wire center. Upon completion of the removal of the IDE from its wire center, the Company will notify the interconnector to pick up the IDE from the Company-specified premises. (M) (T) (T)

d. The interconnector shall have seven (7) calendar days from the agreed-to-date to remove the IDE from the Company's premises. Absent circumstances beyond the interconnector's reasonable control, if the interconnector fails to remove the IDE from the Company's premises by the seventh day from the agreed-to-date, the Company may dispose of the IDE in any manner it sees fit, and may retain any proceeds from such disposal. (M) (T) (M) (T) (T) (M)

Certain material found on this page formerly appeared on Pages 21-30.5 and 21-30.6.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE (T)

21.3.4 IDE TRANSFER OF POSSESSION

G. IDE Discontinuance and Removal (Cont'd) (T)

2. Involuntary Discontinuance of Service (M)

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

Certain material found on this page formerly appeared on Page 21-30.6.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE (Cont'd) (T)

21.3.5 INSTALLATION AND MAINTENANCE (T)

A. Technical Specifications (N)

The interconnector's fiber optic facilities shall be placed, maintained, relocated or removed in accordance with the applicable requirements and specifications of the current editions of the National Electrical Code (NEC), the National Electrical Safety Code (NESC) and rules and regulations of the Occupational Safety and Health Act (OSHA), and any governing authority having jurisdiction. (T) (M) (M)

The interconnector's fiber optic facilities and splices must comply with Generic Requirements for Optical Fiber and Fiber Optic Cable Technical Reference GR-20-CORE, Cable Placing Handbook, Cable Splicing Handbook, Cable Maintenance Handbook, and General Information Tools and Safety, as they relate to fire, safety, health, environmental safeguards or interference with the Company services or facilities. (T) (M) (M) (T) (M)

B. Point of Interconnection (POI) (T)

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

C. VEIC Entrance Facility (T)

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

Certain material found on this page formerly appeared on Pages 21-31 and 21-40.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.3 VIRTUAL EIC SERVICE (T)
21.3.5 INSTALLATION AND MAINTENANCE (Cont'd) (T)

D. VEIC Equipment Maintenance - Labor (T)

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

Certain material found on this page formerly appeared on Page 21-40.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS

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

21.4.1 TYPES OF RATES AND CHARGES

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

A. Monthly Rates

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

B. Nonrecurring Charges

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS (Cont'd)

21.4.2 RATE CATEGORIES

The rate categories for EIC Service are described following:

A. Fees

1. Quotation Preparation Fee

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

2. Microwave Quotation Preparation Fee

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

B. Expanded Interconnection Channel Terminations and Interconnection Tie Pairs (T)

1. PLTS Expanded Interconnection Channel Termination

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS

21.4.2 RATE CATEGORIES

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

2. Switched Access Service Expanded Interconnection Channel Termination (T)

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

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

3. PLTS and Switched Access Service Interconnect Tie Pairs (N)

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

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

Certain material previously found on this page can now be found on Page 21-25.1.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS
21.4.2 RATE CATEGORIES (Cont'd) (T)

C. VEIC-Common Components (M)

1. VEIC Entrance Facility

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

2. VEIC -48 Volt DC Power

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

Certain material found on this page formerly appeared on Page 21-25.

Certain material previously found on this page can now be found on Pages 21-25.2.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS
21.4.2 RATE CATEGORIES

C. VEIC Common Components (Cont'd)

3. VEIC -48 Volt DC Power Cable (M)

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

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

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

4. VEIC Equipment Bay

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

Certain material found on this page formerly appeared on Page 21-25.1.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

(D)

21.4 RATE REGULATIONS (T)

21.4.2 RATE CATEGORIES

C. VEIC-Common Components (Cont'd) (T)

5. CO Synchronization (N)

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

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

6. IDE Maintenance - Labor (T)

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

Certain material found on this page formerly appeared on Pages 21-40 and 21-47.

Certain material previously found on this page can now be found on Page 21-10.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS
21.4.2 RATE CATEGORIES

C. VEIC-Common Components (Cont'd)

7. VEIC Fiber Cable Splicing

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

8. VEIC Inspector - Labor

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

9. VEIC Training

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS
21.4.2 RATE CATEGORIES

C.9. (Cont'd)

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

a. Training Hours Element

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

b. Vendor Direct Training Charge Element

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS
21.4.2 RATE CATEGORIES

C.9 (Cont'd)

(c) Company Direct Training Charge Element (N)

- Company Direct Training Charges are the expenses for daily per diem (i.e., expenses based upon effective Company labor agreements), travel and lodging incurred by Company employees attending a vendor-provided IDE training course. The Company Direct Training Charge element is billed to the interconnector as set forth following:

- The total per diem, travel and lodging expenses are divided by the VEIC Training rate element as set forth in 21.5.3, following, to determine the number of one-half (1/2) hour increments.

- The sum of the one-half (1/2) hour increments is rounded to the nearest one-half (1/2) hour, and is multiplied by the VEIC Training rate. (N)

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

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

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

Certain material found on this page formerly appeared on Page 21-47.2.

Certain material previously found on this page can now be found on Page 21-13.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS
21.4.2 RATE CATEGORIES

C. VEIC-Common Components (Cont'd)

11. VEIC Equipment - Labor (T)

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

12. VEIC Single Point of Termination (T)

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

13. VEIC Cable Racking

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS (T)
21.4.2 RATE CATEGORIES
C. VEIC-Common Components (Cont'd) (T)

Certain material previously found on this page can now be found on Page 21-14.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS (T)
21.4.2 RATE CATEGORIES
C. VEIC-Common Components (Cont'd) (T)

Certain material previously found on this page can now be found on Pages 21-15 and 21-16.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS (T)
21.4.2 RATE CATEGORIES
C. VEIC-Common Components (Cont'd) (T)

Certain material previously found on this page can now be found on Pages 21-16 and 21-17.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS (T)
21.4.2 RATE CATEGORIES
C. VEIC-Common Components (Cont'd) (T)

Certain material previously found on this page can now be found on Pages 21-17 and 21-18.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS (T)
21.4.2 RATE CATEGORIES
C. VEIC-Common Components (Cont'd) (T)

Certain material previously found on this page can now be found on Pages 21-18 and 21-19.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.4 RATE REGULATIONS (T)
21.4.2 RATE CATEGORIES (Cont'd)

D. Microwave Rate Category (T)

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

Certain material found on this page formerly appeared on Page 21-58.3.

Certain material previously found on this page can now be found on Pages 21-19 and 21-20.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES (T)

21.5.1 VEIC FEES (T)

	NONRECURRING CHARGE (M) (M)
A. Quotation Preparation Fee (T)	
• per quote	$ 1,684.80
B. Microwave Quotation Preparation Fee	
• per quote	21,023.00 (T)

Certain material found on this page formerly appeared on Page 21-59.

Certain material previously found on this page can now be found on Page 21-21.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES (Cont'd)

21.5.2 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND INTERCONNECTION TIE PAIRS (C) (C)

A. Private Line Transport Service EICT, per termination

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

B. Switched Access Service EICT, per termination

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

C. Private Line Transport Service ITP, per termination (N)

• 1.544 Mbps	TKCUX	211.78	5.98	
• 44.736 Mbps or 45 Mbps	TKCVX	211.78	26.26	(N)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES
21.5.2 EXPANDED INTERCONNECTION CHANNEL TERMINATIONS AND INTERCONNECTION TIE PAIRS (Cont'd)

D. Switched Access Service ITP, per termination (N)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
• DS1 Switched Transport	TKCWX	$211.78	$ 5.98	
• DS3 Switched Transport	TKCYX	211.78	26.26	(N)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES (Cont'd) (T)

21.5.3 VEIC COMMON COMPONENTS (T)

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

Certain material found on this page formerly appeared on Pages 21-62 and 21-70.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES (T)
21.5.3 VEIC COMMON COMPONENTS (Cont'd) (T)

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

Certain material found on this page formerly appeared on Page 21-62.1.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES (S-y)
21.5.3 VEIC COMMON COMPONENTS (Cont'd)

	USOC	NONRECURRING CHARGE	MONTHLY RATE	
D. VEIC Equipment Bay				
• per shelf	SP1EB	–	$10.75	
E. CO Synchronization				
• per equipment bay	SP1CL	–	10.50 (T-x)	(S-y)

Certain material found on this page formerly appeared on Page 21-70.1.

(x) Issued under the authority of Special Permission No. 97-139.

(y) Reissued matter filed under Transmittal No. 837 to become effective May 6, 1997.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES (T)
21.5.3 VEIC COMMON COMPONENTS (Cont'd) (T)

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

(M)

[1] Per technician. (T)
(T)

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

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

Certain material found on this page formerly appeared on Page 21-70.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES (T)
21.5.3 VEIC COMMON COMPONENTS (Cont'd) (T)

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

Certain material found on this page formerly appeared on Page 21-70.1.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES
21.5.3 VEIC COMMON COMPONENTS (Cont'd)

L. VEIC SPOT

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

M. VEIC Cable Racking

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

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES (T)
21.5.3 VEIC COMMON COMPONENTS (Cont'd) (T)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES (T)
21.5.3 VEIC COMMON COMPONENTS (Cont'd) (T)

Certain material previously found on this page can now be found on Pages 21-21, and 21-22.

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

21.5 RATES AND CHARGES
21.5.3 VEIC COMMON COMPONENTS (Cont'd)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5 RATES AND CHARGES (T)
21.5.3 VEIC COMMON COMPONENTS (Cont'd) (T)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

21.5.4 MICROWAVE EIC (T)

A. Reserved for future use (M)

21.6 RATES AND CHARGES - INDIVIDUAL CASE FILINGS (T)

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

Certain material found on this page formerly appeared on Page 21-70.2.

Certain material previously found on this page can now be found on Page 21-27.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

(D)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Pages 21-24.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Pages 21-25.1 and 21-27.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Pages 21-25, 21-26 and 21-27.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Page 21-28.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Pages 21-29 and 21-30.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Pages 21-25 and 21-25.1.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Pages 21-24 and 21-25.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Page 21-25.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Pages 21-25.1 and 21-30.6.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Page 21-31.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Page 21-33.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Page 21-34.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

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21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Page 21-32.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Pages 21-33 and 21-36.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this can now be found on Pages 21-35 and 21-37.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Page 21-43.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

(D-x)

(x) Issued under the authority of DA 95-1153 to suspend Transmittal No. 614 by one day changing its effective date to May 27, 1995.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

(D-x)

(x) Issued under the authority of DA 95-1153 to suspend Transmittal No. 614 by one day changing its effective date to May 27, 1995.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

(D-x)

(x) Issued under the authority of DA 95-1153 to suspend Transmittal No. 614 by one day changing its effective date to May 27, 1995.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

(D-x)

(x) Issued under the authority of DA 95-1153 to suspend Transmittal No. 614 by one day changing its effective date to May 27, 1995.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

(D-x)

(x) Issued under the authority of DA 95-1153 to suspend Transmittal No. 614 by one day changing its effective date to May 27, 1995.

(Filed under Transmittal No. 630.)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

(D-x)

(x) Issued under the authority of DA 95-1153 to suspend Transmittal No. 614 by one day changing its effective date to May 27, 1995.

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

(D-x)

(x) Issued under the authority of DA 95-1153 to suspend Transmittal No. 614 by one day changing its effective date to May 27, 1995.

(Filed under Transmittal No. 630.)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

(D-x)

(x) Issued under the authority of DA 95-1153 to suspend Transmittal No. 614 by one day changing its effective date to May 27, 1995.

(Filed under Transmittal No. 630.)

21. EXPANDED INTERCONNECTION - COLLOCATION (EIC) SERVICE

Certain material previously found on this page can now be found on Page 21-70.2.

(x) Issued under the authority of DA 95-1153 to suspend Transmittal No. 614 by one day changing its effective date to May 27, 1995.

(Filed under Transmittal No. 630.)

22. OPERATOR ASSISTANCE SERVICE

Alphabetical By SUBJECT **PAGE** (N)

22. OPERATOR ASSISTANCE SERVICE (N)

22.1 GENERAL DESCRIPTION

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

22.1.1 BUSY LINE VERIFICATION

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

22.1.2 BUSY LINE INTERRUPTION

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

22.1.3 BLV OR BLI EMERGENCY EXEMPTION

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

22. OPERATOR ASSISTANCE SERVICE (N)

22.2 BLV AND BLI ORDERING AND PROVISIONING REQUIREMENTS

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

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

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

22.3 DESIGN BLOCKING REQUIREMENTS

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

22.4 ACCEPTANCE TESTING REQUIREMENTS

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

22.5 JURISDICTIONAL REQUIREMENTS

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

22. OPERATOR ASSISTANCE SERVICE

22.6 OBLIGATIONS OF THE COMPANY

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

22.7 OBLIGATIONS OF THE CUSTOMER

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

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

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

22.8 RATE REGULATIONS

22.8.1 GENERAL RATE REGULATIONS

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

22.8.2 BUSY LINE VERIFICATION

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

22.8.3 BUSY LINE INTERRUPTION

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

22. OPERATOR ASSISTANCE SERVICE (N)

22.9 RATES AND CHARGES

		RATE PER CALL	
22.9.1	**BUSY LINE VERIFICATION**		
	-per call verified	$1.00	
22.9.2	**BUSY LINE INTERRUPTION**		
	-per call verified and interrupted	1.25	(N)