

ACCESS SERVICE

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(1) Effective December 17, 2002, TRM service will no longer be available to new customers. There will be no change to existing customers.

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18. Network Management Services

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The following list matches the Telephone Company's Basic Service Element (BSE) names to the industry standard names for each BSE.

<u>Telephone Company Names</u>	<u>Generic Name of ONA Service</u>
Network Reconfiguration	Network Reconfiguration

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18. Network Management Services (Cont'd)18.1 Network Reconfiguration Service18.1.1 General

Network Reconfiguration Service is a BSE that permits customers to access a database maintained by the Telephone Company to reconfigure their dedicated network. Customers gain database access through the use of a terminal on their premises without going through normal service order procedures.

Network Reconfiguration Service allows customers direct access to, and control of, their 45 mbps services, 1.544 mbps services, subtending channels, and Internodal Facilities (the facilities that connect a Digital Cross-Connect System in one central office with a Digital Cross-Connect System in another central office) without going through normal service order procedures. Network Reconfiguration Service utilizes a central office cross-connect system for the remote reconfiguration of these channels. Customers can reconfigure their dedicated service network from their premises, or they can have the Telephone Company perform the reconfigurations. (T)

Customers will access Network Reconfiguration Service by using a terminal on their premises in conjunction with dedicated lines provided for in Sections 7 and 20, or in conjunction with a local telephone line with a seven digit telephone number.

Network Reconfiguration Service is available at those Hubs where Telephone Company cross-connect systems are located. Network Reconfiguration Hub designations are found in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

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18. Network Management Services (Cont'd) (C)18.1 Network Reconfiguration Service (Cont'd) (T)18.1.2 Network Reconfiguration Options (T)

Two network reconfiguration options are available to Network Reconfiguration customers:

- On-demand
- Reservation

The on-demand option will make immediate changes to the network, while the reservation option will be executed at a specified time designated by the customer. Both types of reconfigurations are available whether the customer performs the reconfigurations or requests the Telephone Company to perform them.

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18. Network Management Services (Cont'd)18.1 Network Reconfiguration Service (Cont'd)18.1.3 Network Reconfiguration Functions

Network Reconfiguration Service provides the following functions:

(A) Routing/Rerouting

The routing feature allows customers to select the routes that will be used to connect their circuits between DCSs. The route selection process can be controlled by various parameters according to the customer's needs. Rerouting of circuits off of a failed internodal facility to a working one is also available.

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(B) Renaming

Renaming permits customers to rename their network locations, circuits, and facilities.

(C) Special Day Definition

Special day definition gives customers the capability to specify circuit reconfiguration on special days, e.g., payday, holidays.

(D) Resource Verification

Resource verification allows customers to verify the resource availability for the reservation period in their reconfiguration request prior to the system's confirmation or denial of the request.

(E) Transaction Log

Transaction log provides customers a database log that contains every transaction involving reconfigurations.

(F) Multi-Level Security

Multi-level security eliminates the unauthorized entry into a customer's circuit network arrangement inventory.

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18. Network Management Services (Cont'd)18.1 Network Reconfiguration Service (Cont'd)18.1.3 Network Reconfiguration Functions (Cont'd)(G) Compatibility Table

Compatibility table permits customers to view the allowable access line combinations that can be used with Network Reconfiguration Service.

(H) Path Priority

Path priority gives customers the ability to arrange their circuit paths in order of priority when multiple routes exist.

(I) Reservation Summary Screen

Reservation summary screen allows customers to view the status of their reconfiguration reservations.

(J) Simple Commands and Screens

Simple commands and screens permits customers to use simple commands on screens with easy to use menus.

(K) MACRO Command/Network Modeling

MACRO command/network modeling (i.e., model request) gives customers the ability to initiate with one command, multiple two-point cross-connections. Customers can build separate network models, such as day-time models, night-time models, and disaster recovery models and invoke their activation or switch from one to the other.

(L) Variable Bandwidth

Variable bandwidth applies to an Internodal Facility and permits it to be used interchangeably to connect full 45 mbps or 1.544 mbps services, or to connect one or more individual subtending channels. (T)
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18. Network Management Services (Cont'd) (C)

18.1 Network Reconfiguration Service (Cont'd) (T)

18.1.4 Technical Specifications (T)

Services that are cross-connected by Network Reconfiguration Service must have identical technical characteristics to ensure compatibility and proper operations, e.g., Data to Data, Voice to Voice.

Network Reconfiguration Service specifications are delineated in Technical Reference TR-TSY-000366.

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18. Network Management Services (Cont'd)18.1 Network Reconfiguration Service (Cont'd)18.1.5 Rate Regulations

This section contains information related to the rate elements applicable to Network Reconfiguration Service. Rates and charges associated with the rate elements are listed in 18.1.6.

(A) Rate Element Descriptions(1) Service Establishment Charge

The Service Establishment charge applies per customer database setup. The customer database setup is a grid, built by the Telephone Company, that contains all the circuits the customer will be able to control and reconfigure. Security, as well as circuit inventory, is built into the grid, permitting the customer control of its own circuits. Also included is the provisioning of customer training. This charge includes the connection of the initial circuits. (T)
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(2) Database Modification Charge

This charge applies (per customer contact, or request) each time the customer requests a subsequent modification of its database. A modification can be an addition or deletion of circuits terminating on the cross-connect system, or a rearrangement of the database, e.g., an outside move, a change in the signaling characteristics of a circuit (e.g., from data to voice), a rearrangement of the customer's routing priority between nodes, virtual port establishment, etc.

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18. Network Management Services (Cont'd)18.1 Network Reconfiguration Service (Cont'd)18.1.5 Rate Regulations (Cont'd)(A) Rate Element Descriptions (Cont'd)(3) Port Charges

Port Charges apply per port termination on the cross-connect system. There are three types of charges:

- Subtending Port Charge - applies per subtending channel port termination for all Special Access services (64 kbps and below or 45 mbps service) per circuit on the cross-connect system. (C)
- 1.544 mbps Port Charge - applies for 128 kbps - 1.544 mbps channel port termination per circuit on the cross-connect system. (C)
- 45 mbps Port Charge - applies for 45 mbps channel port termination per circuit on the cross-connect system.

Two Port Charges apply per circuit connecting 2 Network Reconfiguration Hubs or 2 cross-connect systems within the same Network Reconfiguration Hub (with one Port Charge applying at each termination of the circuit).

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18. Network Management Services (Cont'd)18.1 Network Reconfiguration Service (Cont'd)18.1.5 Rate Regulations (Cont'd)(A) Rate Element Descriptions (Cont'd)(4) Reconfiguration Charges

Full 45 mbps or 1.544 mbps bandwidth, sub 45 mbps or 1.544 mbps bandwidth, contiguous subtending channel groupings (up to and including all 24 subtending channels within a 1.544 mbps service), contiguous 1.544 mbps service groupings (up to and including all 28 1.544 mbps services within a 45 mbps service), or individual subtending channel or 1.544 mbps service arrangements are as specified by the customer. This specification limits the parameters within which the service can be reconfigured and defines how reconfiguration charges will apply. If reconfiguration is at the subtending channel, 1.544 mbps or 45 mbps level, one reconfiguration charge applies per subtending channel, 1.544 mbps service or 45 mbps circuit reconfigured; if reconfiguration is for a previously defined contiguous group of subtending channels, one reconfiguration charge applies per group of DS0s reconfigured; etc. One reconfiguration charge applies per cross-connect and/or disconnect successfully completed in a DCS per request.

There are two types of reconfiguration charges:

- For individual reservation or demand request performed by the customer, or for each segment of a model request performed by the customer or Telephone Company.
- For individual reservation or demand requests performed by the Telephone Company at the customer's request.

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18. Network Management Services (Cont'd)18.1 Network Reconfiguration Service (Cont'd)18.1.5 Rate Regulations (Cont'd)(A) Rate Element Descriptions (Cont'd)(4) Reconfiguration Charges (Cont'd)

For example, if a customer wishes to reconfigure a circuit that is routed through two NRS Hub offices (the existing circuit being routed between customer premises A through the two NRS Hub offices to customer premises B, and the customer wishes to reconfigure the circuit to be rerouted between customer premises A through the two NRS Hub offices to customer premises C), two transactions would occur: one transaction to disconnect the circuit between premises A and B, and one transaction to reconnect the circuit between premises A and C. The customer would be billed four NRS charges: two for disconnecting the circuit (one for each disconnect at each NRS Hub), and two for reconnecting the circuit (one for each reconnect at each NRS Hub).

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18. Network Management Services (Cont'd)18.1 Network Reconfiguration Service (Cont'd)18.1.5 Rate Regulations (Cont'd)(B) Application of Rates

When Network Reconfiguration Service is used in conjunction with Special Access or MegaLink Custom services, the appropriate regulations, rates and charges as set forth in Sections 7 and 20 will apply in addition to charges as set forth in 18.1.6:

- One Channel Termination (CT) applies between the customer premises and serving wire center.
- Channel Mileage or Interoffice Mileage, if applicable, applies between the serving wire center and the Telephone Company Network Reconfiguration Hub, or between two Network Reconfiguration Hubs.

Nonrecurring charges, as set forth in Sections 7 and 20, are also applicable when existing channels must be reterminated in a Network Reconfiguration Port to provide Network Reconfiguration Service. When an existing DS3 circuit is reterminated in a Network Reconfiguration Port, termination charges as set forth in 20.4.5 (Minimum Service Periods), 20.4.6 (Termination Charges) and 20.4.12(B) (Moving Customer Premises), will only apply to the Optional Features, BSEs and Functions associated with the reterminated DS3 circuit. Termination charges will not apply to Channel Terminations and Interoffice Mileage associated with the reterminated DS3 circuit when the DS3 end points involved do not change.

When a new or existing High Capacity Term Pricing Plan (HC-TPP) customer subscribes to or has a 3 or 5 year HC-TPP, as described in Section 7.2.10 (High Capacity Term Pricing Plan (HC-TPP) and requests an associated NRS with that HC-TPP DS1 circuit terminating on the NRS, NRS recurring rates and nonrecurring charges associated with the Service Establishment Charge, 1.544 Mbps Port Charge and the Database Modification Charge, will apply.

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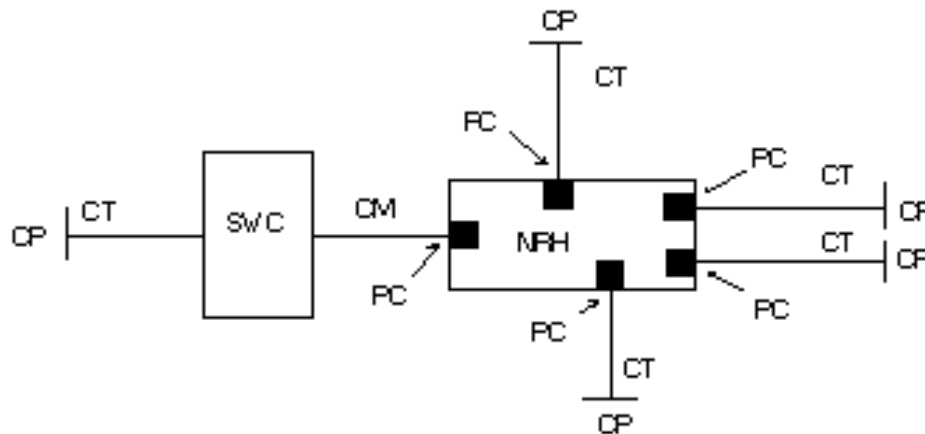
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18. Network Management Services (Cont'd) (C)18.1 Network Reconfiguration Service (Cont'd) (T)18.1.5 Rate Regulations (Cont'd) (T)(C) Service Configurations (T)

The following diagram depicts a typical Network Reconfiguration Network with its applicable rate elements:



CM = Channel Mileage
 CP = Customer Premises
 CT = Channel Termination
 NRH = Network Reconfiguration Hub
 PC = Port Charge
 SWC = Serving Wire Center

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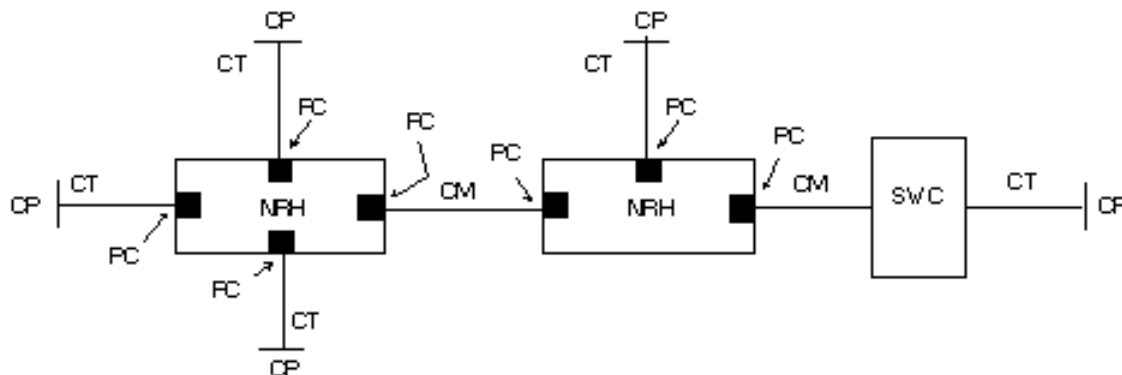
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18. Network Management Services (Cont'd) (C)18.1 Network Reconfiguration Service (Cont'd) (T)18.1.5 Rate Regulations (Cont'd) (T)(C) Service Configurations (Cont'd) (T)

The following diagram depicts a Network Reconfiguration Network utilizing two Network Reconfiguration Hubs:



CM = Channel Meige
 CP = Customer Premises
 CT = Channel Termination
 NRH = Network Reconfiguration Hub
 PC = Port Charge
 SWC = Serving Wire Center

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18. Network Management Services (Cont'd)18.1 Network Reconfiguration Service (Cont'd)18.1.6 Rates and Charges

All rates and charges apply to Arkansas, Kansas, Missouri, Oklahoma, and Texas. Each rate element is shown with its associated USOC, where appropriate.

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(A)	<u>Service Establishment Charge</u> (FN6DD)		
	Per Database Setup	\$ 0.00	\$3,000.00(I)
(B)	<u>Database Modification Charge</u> (FN6DC)		
	Per Request	\$ 0.00	\$ 150.00(I)
(C)	<u>Port Charges</u>		
	Per Port Termination		
	(1) <u>Subtending Channel Port</u> (PT5)	\$ 20.00(I)	\$ 20.00
	(2) <u>1.544 mbps Port</u> (PT6)	\$ 50.00(I)	\$ 50.00
	(3) <u>45 mbps Port</u> (D3D)	\$395.00	\$ 75.00
(D)	<u>Reconfiguration Charges</u>		
	Per Cross-Connect and/or Disconnect Successfully Completed		
	(1) <u>Individual Reservation or Demand Request Performed by the Customer; or Each Segment of a Model Request Performed by Customer or Telephone Company</u>	\$ 0.00	\$ 0.50
	(2) <u>Individual Reservation or Demand Request Performed by the Telephone Company at the Customer's Request</u>	\$ 0.00	\$ 11.00

Rates contained in this transmittal are subject to subsequent adjustment, effective retrospectively, in the event the Commission or a court subsequently authorizes Southwestern Bell Telephone Company to correct its rates pursuant to pending motions, or petitions for reconsideration or waiver, or in the event of any other adjustment to an order of the Commission or a court.

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.1 General

Transport Resource Management (TRM) is a bandwidth management service that provides integrated data, voice, and video multiplexing with subrate multiplexing, voice compression, voice and data bridging, fault tolerance, and advanced customer network management capability. TRM interfaces with the following access services: Voice Grade, Megalink Data, Business Video I, Business Video II, High Capacity, and Megalink Custom. These access services are found in Sections 7 and 20 of this tariff.

Customers may elect to manage their TRM service via a workstation on their premises, or may order Network Modifications from the Telephone Company.

TRM is provided at those TRM Service Hub designations listed in the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4.

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ACCESS SERVICE

18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾

(C)

18.2.2 Standard Features(A) Intelligent Bandwidth Management

TRM manages bandwidth at 45 mbps, 1.544 mbps, NX64 kbps and 64 kbps. Subrate multiplexing is an optional feature and is available as set forth in Section 18.2.3(A). Integrated voice, data and video multiplexing are provided with drop, insert and bypass multiplexing capabilities. Circuit level switching is supported between all interfacing services at the subtending channel level with very low transit delay. Non-contiguous bandwidth can be allocated in support of transmission rates above the subtending channel.

(B) Fault Tolerance

TRM monitors network occurrences and provides recovery from service-affecting network faults. In the event of a network disruption between TRM Service Hubs, TRM isolates the fault to the lowest network element possible and automatically reroutes traffic, around any failed network elements.

Services may be rerouted along a customer predefined alternate path, or may be automatically rerouted based upon service priorities and routing attributes associated with the individual services. Service priority and routing attributes are established by the customer. Service priority controls the order in which services are re-established. Routing attributes allow services to be biased toward or away from specific alternate paths.

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.2 Standard Features (Cont'd)(C) Customer Network Management

TRM customer network management enables the customer to configure, operate, and monitor their TRM network. Specific management capabilities include reconfiguration of routing and bandwidth, view of the customer's traffic data, time-of-day event handling, alarms and trouble isolation.

Customers may elect to manage TRM services via a workstation on their premises. A Graphical User Interface (GUI) as described in 18.2.3 (Optional Features) is available to simplify the network management process for the customer.

Customers must allocate a subtending channel between TRM Service Hubs in support of these network management capabilities.

Customer network management is not available for the Analog/Voice Bridging portion of the TRM Voice and Data Bridging optional feature as set forth in 18.2.3(C) (Voice and Data Bridging).

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.3 Optional Features(A) Subrate Multiplexing

Subrate multiplexing permits customers to switch digital data services in increments below a subtending channel. Full multiplexing flexibility, including drop and insertion, is provided for 2.4, 4.8, and 9.6 kbps MegaLink Data services and other data rates such as 14.4 and 19.2 kbps*. Subrate multiplexing of Analog/Voice Grade data services is not supported. Non-contiguous bandwidth can be assigned to individual subrate channels for maximum bandwidth usage.

(B) Voice Compression

Adaptive Differential Pulse Code Modulation (ADPCM) provides a two-to-one (2:1) compression of voice channels with minimal reduction in voice quality. Based on the customer's network configuration, up to 44 compressed voice channels can be accommodated on a single 1.544 mbps channel across the transport network.

(C) Voice and Data Bridging

Voice and data bridging supports voice conference bridging, multipoint bridging of Analog/Voice Grade data services, and multidrop data bridging of digital data services. Voice and data bridging permits many services to share the same transport bandwidth.

(D) Frame Relay

With the Frame Relay option, TRM provides frame routing, dynamic bandwidth allocation, congestion control and frame error checking for up to 60 Frame Relay-compatible data streams or up to 3.0 mbps of total frame relay switched bandwidth. 1.544 mbps, NX64 kbps and subtending channel Frame Relay data channels can be accommodated.

(E) Graphical User Interface (GUI)

The GUI option provides the customer the ability to perform reconfiguration of routing and bandwidth, viewing of customer's traffic data, time-of-day event handling and alarm and trouble isolation functions.

*For data rates not supported in Section 7 of this tariff, those data rates must be transported via a non-channelized 1.544 mbps service.

(1) Effective December 17, 2002, TRM service will no longer be available to new customers. There will be no change to existing customers. (N)
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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.4 Rate Regulations

This section contains information related to the rate elements applicable to TRM. Rates and charges associated with the rate elements are listed in 18.2.5.

(A) Rate Element Description(1) Service Arrangement Charge

A Service Arrangement Charge applies at each TRM Service Hub where service is requested. Service Arrangements are provided on a month-to-month basis or for fixed service periods of 1, 3 or 5 years. Fixed service period agreements allow the customer to order TRM service with the assurance that during the fixed service period, the monthly rates for the service will not exceed the levels in effect at the time the service was established.

Within a TRM Service Hub, the capability exists to have multiple Standard and/or 45 mbps TRM Service configurations. TRM Service configurations may consist of up to 8 Standard or 45 mbps Service Arrangements within a single TRM Service Hub. Each Service Arrangement has the capacity to manage a fixed number of access services. If a customer exceeds the capacity of a Standard or 45 mbps Service Arrangement, additional Services Arrangements may be ordered, up to a maximum of eight (8) Service Arrangements per TRM Service Configuration. Only the Standard or 45 mbps Service Arrangements will interoperate as a single higher capacity Service Arrangement. No interworking or switching restrictions will be encountered between Standard or 45 mbps Service Arrangements within the same TRM Service configuration.

If the Telephone Company initiates rate changes resulting in a decrease of rates for existing service with a 1, 3 or 5 year fixed service period, those rate changes will be passed along to the customer. Rate changes resulting in an increase of rates for an existing service with a 1, 3 or 5 year fixed service period will not exceed the original rate for that selected fixed service period. Rate changes may occur as a result of F.C.C. action.

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.4 Rate Regulations (Cont'd)(A) Rate Element Description (Cont'd)(1) Service Arrangement Charges (Cont'd)

There are three types of Service Arrangements available as described below:

(a) Standard Arrangement

The Standard Arrangement supports up to 30 1.544 mbps access services, or up to 720 subtending channel access services, or any combination of these access services that do not together exceed the capacity of the arrangement.

Use of subrate multiplexing, voice and data bridging or frame relay optional features (as set forth in 18.2.4(A)(4)) each consume resources of the Standard Arrangement, thereby reducing the capacity for access services. Each optional feature reduces the Standard Arrangement capacity by 2 1.544 mbps access services, or 48 subtending channel access services.

(b) Intermediate Arrangement

The Intermediate Arrangement supports up to 14 1.544 mbps access services, or up to 336 subtending channel access services, or any combination of these access services that together do not exceed the capacity of the arrangement.

Use of subrate multiplexing, voice and data bridging or frame relay optional features (as set forth in 18.2.4(A)(4)) consume resources of the Intermediate Arrangement, thereby reducing the capacity for access services. Each optional feature reduces the Intermediate Arrangement capacity by 2 1.544 mbps access services, or 48 subtending channel access services.

(c) 45 mbps Arrangement

A 45 mbps Arrangement supports a single MegaLink Custom access service interface. The 45 mbps Arrangement interfaces to the Standard Arrangement for use with 1.544 mbps, subtending channel and subrate access services.

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.4 Rate Regulations (Cont'd)(A) Rate Element Description (Cont'd)(2) Network Modification Charge

This charge applies on a per request basis each time the customer authorizes the Telephone Company to modify their service.

This charge is not applicable if the customer makes changes directly through their TRM network management workstation.

(3) Service Interface Charges

A Service Interface Charge applies per access service interfaced at a TRM Service Hub. There are separate rate elements for 1.544 mbps (High Capacity, Business Video I and Business Video II services), subtending channel (MegaLink Data and Voice Grade services), and Network Management as set forth in 18.2.5(C). The Service Interface Charge is provided on a month-to-month basis only.

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.4 Rate Regulations (Cont'd)(A) Rate Element Description (Cont'd)(3) Service Interface Charges (Cont'd)(a) 1.544 mbps Service Interface

A 1.544 mbps Service Interface Charge is applied for each High Capacity (1.544 mbps), Business Video I, Business Video II, or 128 kbps - 384 kbps MegaLink Data access service that is interfaced to a TRM Standard Arrangement.

(b) Subtending Channel Service Interface

A subtending channel Service Interface Charge is applied for each 2.4 kbps - 64 kbps MegaLink Data or Voice Grade access service interfaced to a TRM Standard Arrangement.

(1) Effective December 17, 2002, TRM service will no longer be available to new customers. There will be no change to existing customers. (N)
(N)

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ACCESS SERVICE

18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.4 Rate Regulations (Cont'd)(A) Rate Element Description (Cont'd)(4) Optional Features

Customers may purchase optional features for Subrate Multiplexing, Voice Compression, Voice and Data Bridging, or Frame Relay services. Optional feature rate elements, with the exception of the Graphical User Interface, are applied at each TRM Service Standard or Intermediate Arrangements where the feature is requested. Multiple optional features may be ordered at a single TRM Service Standard, 45 mbps or Intermediate Arrangements.

Each optional feature, with the exception of Voice Compression and the Graphical User Interface, reduces the capacity of the Standard Arrangement by 2 1.544 mbps access services, or 48 subtending channel access services.

(a) Subrate Multiplexing

Each Subrate Multiplexing optional feature supports subrate multiplexing of up to 40 subrate channels at a single TRM Service Standard, 45 mbps or Intermediate Arrangements.

(b) Voice Compression

Based on the customer's network configuration, each Voice Compression optional feature supports, ADPCM 2:1 voice compression on up to two (2) High Capacity (1.544 mbps) access services, or a group of up to 48 Voice Grade (subtending channel) access services, or a single High Capacity (1.544 mbps) access service and a group of up to 24 Voice Grade access services at a single TRM Service Standard, 45 mbps or Intermediate Arrangements.

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.4 Rate Regulations (Cont'd)(A) Rate Element Description (Cont'd)(4) Optional Features (Cont'd)(c) Voice and Data Bridging

Each Voice and Data Bridging optional feature supports voice conferencing of up to 48 conferees on up to 24 conference bridges, or analog data bridging of up to 48 data services on up to 12 bridged circuits, or digital data bridging of up to 18 digital data services on up to 18 bridged circuits, or any combination of voice, digital data and analog data bridging that does not exceed the capacity of the feature, at a single TRM Service Standard, 45 mbps or Intermediate Arrangements.

(d) Frame Relay

Each Frame Relay optional feature supports Frame Relay switching of up to 60 Frame Relay data streams or up to 3.0 Mbps of total Frame Relay switched bandwidth at a single TRM Service Standard, 45 mbps or Intermediate Arrangements.

(e) Graphical User Interface (GUI)

The GUI rate element provides for the functions necessary to allow customers network management capability through an account on the Customer Network Management feature as described in 18.2.2(C) (Customer Network Management).

The customer may subscribe to a maximum of three GUIs. Where capacity exists, additional GUIs may be added until the total number of GUIs is equal to the number of TRM Service Hubs in a customer's TRM network.

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ACCESS SERVICE

18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.4 Rate Regulations (Cont'd)(B) Nonrecurring Charges

Nonrecurring Charges for Service Arrangements, Service Interfaces and Optional Features will be applied on a First and Additional basis. The First Nonrecurring Charge will be applied to the first service ordered on an access order; the Additional Nonrecurring Charge will be applied to additional services ordered on the same access order. In order to receive the benefits associated with ordering multiple services, the following criteria must be met:

- Same Access Service Order
- Same Application for Service Date
- Same Due Date
- Identical Services
- Same Billing Account Number (BAN)
- Same TRM Service Hub.

Nonrecurring Charges, as set forth in Section 7, 19 and 20, are also applicable when existing access services must be reterminated at a TRM Service Hub.

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(N)

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ACCESS SERVICE

18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾ (C)18.2.4 Rate Regulations (Cont'd)(C) Rate Application

When TRM is used in conjunction with Voice Grade, MegaLink Data, Business Video I, Business Video II, High Capacity, MegaLink Custom services or Self-healing Transport Network, the appropriate regulations, rates and charges as set forth in Sections 7 and 20 will apply in addition to charges as set forth in 18.2.5:

- One Channel Termination (CT) applies between the customer designated premises and serving wire center.
- Channel Mileage, if applicable, applies between the serving wire center and the Telephone Company TRM Hub, or between the CO Multiplexing Hub and the TRM Service Hub, or between the NRS HUB and the TRM Service HUB, or between two TRM Service Hubs.

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾

(C)

18.2.4 Rate Regulations (Cont'd)(D) Termination of Service

Customers requesting the termination of a Service Arrangement prior to the expiration of the 1 year, 3 year or 5 year fixed service period agreement will be charged as indicated below:

<u>Number of Years in Arrangement</u>	<u>Termination Percentage</u>
---------------------------------------	-------------------------------

1, 3, or 5 years

60%

The termination charge will be calculated as follows:

Service Arrangement	Months	Termination
billed monthly rate	X remaining in	X Percentage.
	Arrangement	

Example: A customer with a 3 year Service Arrangement decides to terminate service after 12 months. The Service Arrangement billed monthly rate is \$1,800.00. The termination charge applied will be as follows:

$$\$1,800.00 \times 24 \times .60 = \$25,920.00.$$

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd) ⁽¹⁾

(C)

18.2.4 Rate Regulations (Cont'd)(E) Fixed Service Periods

(1) A customer's initial order for a Service Arrangement must be for a 1, 3 or 5 year fixed service period. At the end of the fixed service period, the customer may elect to continue service under the month-to-month option, contract for another 1, 3 or 5 year period, or terminate the service.

(2) For customers that have existing Standard or 45 mbps service arrangements, new Standard or 45 mbps service arrangements are added at the rates and charges established under the initial Standard or 45 mbps service arrangement for the period remaining on the existing Standard or 45 mbps service arrangement.

The new Standard or 45 mbps service arrangement must be added to the existing Standard or 45 mbps service arrangement within the same TRM Service Hub office.

(3) Existing service arrangements with 1 or 3 year fixed service periods may be converted into a longer (3 or 5 year) fixed service period, at the rates for that longer fixed service period, without termination liabilities, provided that:

(a) the original fixed service period has not ended,

(b) the fixed service period of the converted service arrangement is longer than the fixed service period of the original service arrangement, and

(c) the converted service arrangement must be based upon the rates that are in effect at the beginning of the fixed service period.

When the customer converts to a longer fixed service period, actual time in service for the original fixed service period will be applied to the new service period. However, no credits or refunds will apply for the billing of actual time in service for the previous service.

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18. Network Management Services (Cont'd)

18.2 Transport Resource Management (TRM) Service (Cont'd) ⁽¹⁾

(C)

18.2.4 Rate Regulations (Cont'd)

(E) Fixed Service Periods (Cont'd)

- (4) At any time during a 1 or 3 year fixed service period the customer may elect to renegotiate their existing fixed service period to a new 3 or 5 year fixed service period without termination liabilities, provided that:
- (a) the original fixed service period has not ended,
 - (b) the fixed service period of the renegotiated service arrangement is longer than the fixed service period of the original service arrangement, and
 - (c) the applicable rates must be based on the rates that are currently in effect and otherwise available to all customers.

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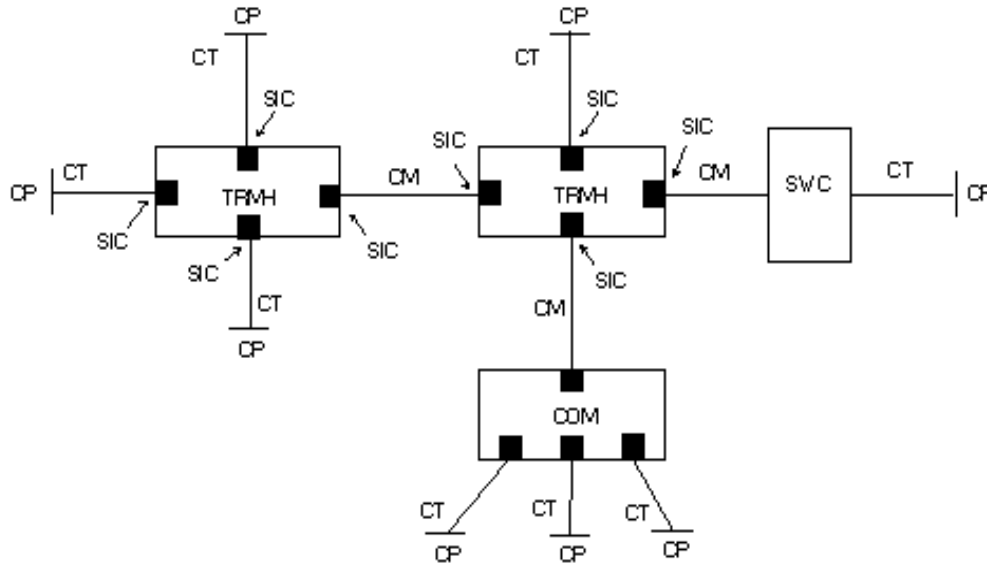
ACCESS SERVICE

18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd) ⁽¹⁾

(C)

18.2.4 Rate Regulations (Cont'd)(F) Service Configuration

The following diagram depicts a typical TRM Network with its applicable rate elements:



CM = Channel Mileage
COM = Central Office Multiplexing Hub
CP = Customer Premises
CT = Channel Termination
SIC = Service Interface Charge
S/WC = Serving Wire Center
TRMH = Transport Resource Management Service Hub

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd) ⁽¹⁾

(C)

18.2.5 Rates and Charges

All rates and charges apply to Arkansas, Kansas, Missouri, Oklahoma, and Texas. Each rate element is shown with its associated USOC, where appropriate.

(A) Service Arrangement Charges

<u>Month-to</u> <u>-Month</u> <u>Rate</u>	<u>1 Year</u> <u>Monthly</u> <u>Rate</u>	<u>3 Year</u> <u>Monthly</u> <u>Rate</u>	<u>5 Year</u> <u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charges</u>	
				<u>1st Arr</u>	<u>Addl Arr</u>

Rates Effective: 07/01/99(1) Standard Arrangement (BWMSX)

\$1,900.00	\$1,700.00	\$1,600.00	\$1,500.00	\$375.00	\$100.00
------------	------------	------------	------------	----------	----------

(2) Intermediate Arrangement (BWMMX)

\$1,250.00	\$1,150.00	\$1,000.00	\$ 950.00	\$375.00	N/A
------------	------------	------------	-----------	----------	-----

(3) 45 mbps Arrangement (BWM3X)

\$1,800.00	\$1,600.00	\$1,500.00	\$1,400.00	\$200.00	\$100.00
------------	------------	------------	------------	----------	----------

Rates Effective: 08/01/95(1) Standard Arrangement (BWMSX)

\$1,900.00	\$1,810.00	\$1,650.00	\$1,600.00	\$303.00	\$ 63.00
------------	------------	------------	------------	----------	----------

(2) Intermediate Arrangement (BWMMX)

\$1,250.00	\$1,155.00	\$1,000.00	\$ 950.00	\$303.00	N/A
------------	------------	------------	-----------	----------	-----

(3) 45 mbps Arrangement (BWM3X)

\$2,205.35	\$2,009.30	\$1,911.30	\$1,823.10	\$ 98.00	
------------	------------	------------	------------	----------	--

Rates Effective: 09/22/94(1) Standard Arrangement (BWMSX)

\$1,900.00	\$1,810.00	\$1,650.00	\$1,600.00	\$303.00	\$ 63.00
------------	------------	------------	------------	----------	----------

(2) Intermediate Arrangement (BWMMX)

\$1,250.00	\$1,155.00	\$1,000.00	\$ 950.00	\$303.00	N/A
------------	------------	------------	-----------	----------	-----

(3) 45 mbps Arrangement (BWM3X)

\$2,205.35	\$2,009.30	\$1,911.30	\$1,823.10	\$ 98.00	\$ 45.00
------------	------------	------------	------------	----------	----------

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd)⁽¹⁾

(C)

18.2.5 Rates and Charges (Cont'd)(A) Service Arrangement Charges (Cont'd)

Month-to -Month Rate	1 Year Monthly Rate	3 Year Monthly Rate	5 Year Monthly Rate	Nonrecurring Charges	
				1st Arr	Addl Arr

Rates Effective: 07/01/94(1) Standard Arrangement (BWMSX)

\$1,900.00	\$1,810.00	\$1,650.00	\$1,600.00	\$303.00	\$ 63.00
------------	------------	------------	------------	----------	----------

(2) 45 mbps Arrangement (BWM3X)

\$2,205.35	\$2,009.30	\$1,911.30	\$1,823.10	\$ 98.00	\$ 45.00
------------	------------	------------	------------	----------	----------

Rates Effective: 03/27/93(1) Standard Arrangement (BWMSX)

\$1,900.00	\$1,810.00	\$1,650.00	\$1,600.00	\$303.00	\$ 63.00
------------	------------	------------	------------	----------	----------

(2) 45 mbps Arrangement (BWM3X)

\$2,250.00	\$2,050.00	\$1,950.00	\$1,860.00	\$ 98.00	\$ 45.00
------------	------------	------------	------------	----------	----------

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18. Network Management Services (Cont'd)18.2 Transport Resource Management (TRM) Service (Cont'd) ⁽¹⁾

(C)

18.2.5 Rates and Charges (Cont'd)

		<u>Nonrecurring Charge</u>	
(B) <u>Network Modification Charge</u> (NRBNM)			
Per request		\$ 80.00	
		<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
			<u>1st Svc</u> <u>Addl Svc</u>
(C) <u>Service Interface Charges</u>			
(1)	<u>1.544 mbps Service Interface</u> (BW11X)	\$ 50.00	\$ 70.00 \$ 60.00
(2)	<u>Subtending Channel Service Interface</u>		
	- MegaLink Data (BW10P)	\$ 13.00	\$ 70.00 \$ 60.00
	- Voice Grade (BW10V)	\$ 12.00	\$ 61.00 \$ 53.00
(D) <u>Optional Features</u>			
(1)	<u>Subrate Multiplexing</u> (BWFSX)	\$150.00	\$ 70.00 \$ 60.00
(2)	<u>Voice Compression</u> (BWFVX)	\$150.00	\$ 70.00 \$ 60.00
(3)	<u>Voice and Data Bridging</u> (BWFBX)	\$150.00	\$ 70.00 \$ 60.00
(4)	<u>Frame Relay</u> (BWFFX)	\$275.00	\$200.00 \$150.00
		<u>Nonrecurring Charge</u>	
(5)	<u>Graphical User Interface</u> (BWFGU)	\$175.00	\$100.00

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18. Network Management Services (Cont'd)

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18. Network Management Services (Cont'd)

(D)

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18. Network Management Services (Cont'd)

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18. Network Management Services (Cont'd)

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18. Network Management Services (Cont'd)

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18. Network Management Services (Cont'd)

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18. Network Management Services (Cont'd)

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