

ACCESS SERVICE

29 - Optical Transport Access Services

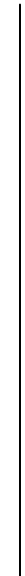
29.1 Reserved for Future Use

BellSouth Wavelength Channel Service previously in Part 11, Section 29, now appears in Part 11, Section 28.

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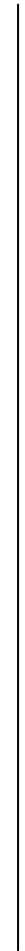


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29.2 Reserved for Future Use

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29.3 BellSouth Wavelength Dedicated Ring Service29.3.1 General Description

(A) (Cont'd)

Effective August 22, 2008, Dual Bay service will not be available for (N)
new installations, moves or transfers. Existing Dual Bay customers may (N)
continue to add Dual Bay Expansion Systems and Wavelength Channels to (N)
the capacity of their existing arrangement. (N)

BellSouth Wavelength Dedicated Ring service Dual Bay service (N)
configurations provide the customer the capability to activate up to 32 (N)
wavelengths east and 32 wavelengths west. These Wavelengths are (N)
activated via BellSouth Wavelength Dedicated Ring service Primary (N)
System - Dual Bay and BellSouth Wavelength Dedicated Ring service (N)
Expansion System - Dual Bay components. The BellSouth Wavelength (N)
Dedicated Ring service Primary System - Dual Bay contains the (N)
capability for 8 wavelengths east and 8 wavelengths west. The remaining (N)
24 wavelengths east and 24 wavelength west capacity may be activated (N)
via incremental BellSouth Wavelength Dedicated Ring service Expansion (N)
System - Dual Bays. Each BellSouth Wavelength Dedicated Ring service (N)
Expansion System - Dual Bay provides the capability for 8 wavelengths (N)
east and 8 wavelengths west. (N)

Effective August 22, 2008, Primary System-Single Bay and Expansion (N)
System-Single Bay components are being reclassified to Primary System (N)
and Expansion System, respectively. With this reclassification, a (N)
BellSouth Wavelength Dedicated Ring Arrangement installed on or after (N)
August 22, 2008, will have the capability for a customer to activate (N)
the full capacity wavelengths between adjacent Service Node locations (N)
via a Primary System and Expansion System as defined in TR73630. The (N)
quantity of activated wavelengths is dependent upon a customer's (N)
application of Unprotected, Client Protected and/or Optical Network (N)
Protected Wavelength Channels. (N)

Prior to August 22, 2008, BellSouth Wavelength Dedicated Ring service (C)
Single Bay configurations provide the customer the capability to (N)
activate up to 16 wavelengths east and 16 wavelengths west. These (N)
wavelengths are activated via BellSouth Wavelength Dedicated Ring (N)
service Primary System - Single Bay and BellSouth Wavelength Dedicated (N)
Ring service Expansion System - Single Bay components. The BellSouth (N)
Wavelength Dedicated Ring service Primary System - Single Bay contains (N)
the capability for 8 wavelengths east and 8 wavelengths west. The (N)
remaining 8 wavelength east and 8 wavelength west capacity may be (N)
activated via an incremental BellSouth Wavelength Dedicated Ring (N)
service Expansion System - Single Bay service component. (N)

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29.3 BellSouth Wavelength Dedicated Ring Service

29.3.1 General Description

(A) (Cont'd)

BellSouth Wavelength Dedicated Ring service is available with unprotected Wavelength Channels or with Optical Network Protected Wavelength Channels. With BellSouth Wavelength Dedicated Ring service, a customer may configure his unprotected Wavelength Channels to provide Client Protection, in which the customer's equipment provides switching functionality to divert his traffic from one Wavelength Channel to another in the event of a facility failure. Customers must coordinate the setup of BellSouth Wavelength Dedicated Ring service up in a Client Protection configuration with the Telephone Company. In a Client Protection Configuration, the customer will order and utilize two Wavelength Channels in combination with his equipment to provide protection. In a Client Protection configuration, the customer must specify the routing of the Wavelength Channels to be used.

Optical Network Protected Wavelength Channels, utilize two (2) wavelength channels in conjunction with Telephone Company equipment to provide a level of survivability for a customer's service in case of a loss of fiber optic signal associated with one of the two wavelengths. With Optical Network Protected Wavelength Channels, optical network protection equipment and a 2-fiber interface is associated with both ends of the Optical Network Protected Wavelength Channel. For OC-192 Transport With Transparent Overhead, STM-64 Transport With Transparent Overhead, or 10 Gbps WAN Transport, Optical Network Protected Wavelength Channels only, a customer may choose to have optical network protection equipment associated with only one end of the Optical Network Protected Wavelength Channel. In this case a 2-fiber Network Interface will be provided at the end of the Optical Network Protected Wavelength Channel that has the optical network protection equipment and at the other end of the Optical Network Protected Wavelength Channel a 4-Fiber Interface will be provided. The protection option selected by customers for wavelength channels will determine the total number of Wavelength Channels available on Primary Systems and/or Expansion Systems. Optical Network Protected Wavelength Channels must conform to specifications as provided in Technical Reference 73630.

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29.3 BellSouth Wavelength Dedicated Ring Service29.3.1 General Description

(A) (Cont'd)

BellSouth Wavelength Dedicated Ring service Wavelength Channels may be activated with Transparent Transport and/or Bit Rate Specific service capabilities.

Transparent transport capabilities include a 1.25 and 2.5 Gbps transparent service arrangement. Effective August 22, 2008, 1.25 Gbps Transparent Transport and 2.5 Gbps Transparent Transport Wavelength Channels will not be available for new Wavelength Dedicated Ring installations. Existing customers may continue to add these services to the capacity of their Wavelength Dedicated Ring arrangement. (N)

Bit rate specific transport include 1000 Mbps Transport, OC-3, OC-3+, OC-12, OC-48, OC-48+, OC-192 and OC-192+ SONET, OC-192 transport with transparent overhead, STM-64 transparent transport with transparent overhead, 10 Gbps WAN transport, OC-3, OC-12 and OC-48 Transport With Transparent Overhead, 10 Gbps LAN Transport, Fast Ethernet at 100Mbps, Fibre Channel 100 Transport, Fibre Channel 200 Transport, Fibre Connection (FICON™) Channel Transport, Fibre Connection (FICON™) Express Channel Transport or ESCON™/SBCON Channel Transport, WaveGate transport with SONET OC-3, OC-12, OC-48 and OC-192 channelization capabilities at the customer premises and four-fiber channel termination in the serving central office, and WaveGate II transport with SONET OC-48 and OC-192 channelization capabilities at both ends of the WaveGate II channels as per TR73630BT. Customer Channel Interfaces associated with LightGate Service (a.k.a. BellSouth SPA Point to Point Network) contained in Section 7 of this Guidebook shall be used with WaveGate service. Customer and Central Office Channel Interfaces associated with LightGate Service (a.k.a. BellSouth SPA Point to Point Network) contained in Section 7 shall be used with WaveGate II service. A customer may connect a transparent BellSouth Wavelength Dedicated Ring service Wavelength Channel at a serving wire center to another BellSouth Wavelength Dedicated Ring service's transparent Wavelength Channel. Bit rate specific Wavelength Channels may connect at a serving wire center to another BellSouth Wavelength Dedicated Ring service's bit rate specific Wavelength Channel, or to compatible SMARTring service (a.k.a. BellSouth SPA Dedicated Ring), or LightGate service (a.k.a. BellSouth SPA Point to Point Network) service components. Four-fiber non-channelized configurations may not be connected to a Wavelength Channel. (C)

SONET timing is not available with OC-3 Transport With Transparent Overhead, OC-12 Transport With Transparent Overhead, OC-48 Transport With Transparent Overhead and OC-192 Transport With Transparent Overhead wavelength channels as described in TR 73630BT.

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29.3 BellSouth Wavelength Dedicated Ring Service29.3.1 General Description

(A) (Cont'd)

Also, SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) nodes may be used in conjunction with compatible Bit Rate Specific Wavelength Channels (e.g., an OC-12 node may be used with a OC-12 Bit Rate Specific Wavelength Channel) to develop a SONET overlay ring arrangement riding the customer's host BellSouth Wavelength Dedicated Ring Service. Allowable overlay arrangement node and wavelength channels are as follows:

<u>SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) Node</u>	<u>Bit Rate Specific Wavelength Channel</u>
OC-3	OC-3
OC-3+	OC-3+
OC-12	OC-12
OC-48	OC-48
OC-48+	OC-48+
OC-192	OC-192
OC-192+	OC-192+

(B) BellSouth Wavelength Dedicated Ring Service is furnished where suitable facilities are available as determined by the Telephone Company.

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29.3 BellSouth Wavelength Dedicated Ring Service

29.3.1 General Description

(C) BellSouth Metro Ethernet Service Over Wavelength Dedicated Ring Service

Basic, Premium and Virtual BellSouth Metro Ethernet Service Connections of 100 Mbps and 1000 Mbps may alternatively be provided to a customer premises over a customer's BellSouth Wavelength service Dedicated Ring Arrangement. The customer is required to purchase the appropriate BellSouth Wavelength service Dedicated Ring Arrangement Wavelength Channel for the specific type and speed of BellSouth Metro Ethernet Service Connection serving that customer premises. (A chart is provided herein which sets forth the Wavelength Channel associated with the 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Service Connection.)

For such applications using BellSouth Wavelength service as alternate transport, the BellSouth Metro Ethernet Service Connection will provide data channel transport from the BellSouth Metro Ethernet Service wire center associated with the BellSouth Metro Ethernet Service Connection (i.e., the central office of the Metro Ethernet Service switch) to the central office Node Location of the customer's BellSouth Wavelength service Dedicated Ring Arrangement.

Metro Ethernet Service transported over Wavelength Dedicated Ring Service may not terminate into a collocation arrangement.

When the central office Node Location of the customer's BellSouth Wavelength service Dedicated Ring Arrangement is located greater than 10 miles from the BellSouth Metro Ethernet Service wire center, BellSouth Metro Ethernet Service Additional Mileage charges will also be applicable.

<u>Metro Ethernet Connection</u>	<u>Wavelength Dedicated Ring Arrangement Wavelength Channel</u>
Basic 100 Mbps	Fast Ethernet at 100 Mbps ME Backbone
Basic 1000 Mbps	Gigabit Ethernet at 1000 Mbps ME Backbone
Premium 10 Mbps, 20 Mbps and 50 Mbps-fixed and burst	Fast Ethernet at 100 Mbps ME Backbone
Premium 100 Mbps-fixed (provisioned via a physical 100 Mbps port)	Fast Ethernet at 100 Mbps ME Backbone
Premium 100 Mbps-fixed (provisioned via a physical 1000 Mbps port)	Gigabit Ethernet at 1000 Mbps ME Backbone
Premium 100 Mbps-burst	Gigabit Ethernet at 1000 Mbps ME Backbone
Premium 250 Mbps and 500 Mbps-fixed & burst, and 900 Mbps-fixed	Gigabit Ethernet at 1000 Mbps ME Backbone
Premium 1000 Mbps-fixed	Gigabit Ethernet at 1000 Mbps ME Backbone
Virtual 10 Mbps, 20 Mbps, 50 Mbps and 80 Mbps	Fast Ethernet at 100 Mbps ME Backbone
Virtual 100 Mbps (provisioned via a physical 100 Mbps port)	Fast Ethernet at 100 Mbps ME Backbone
Virtual 100 Mbps (provisioned via a physical 1000 Mbps port)	Gigabit Ethernet at 1000 Mbps ME Backbone
Virtual 200 Mbps, 300 Mbps, 450 Mbps, 600 Mbps 750 Mbps, 900 Mbps and 1000 Mbps	Gigabit Ethernet at 1000 Mbps ME Backbone

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29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rate Conditions

- (A) BellSouth Wavelength Dedicated Ring service, rates and charges associated with ring level service are the Primary System, Expansion System and Optical Signal Amplification Node components. In addition, Wavelength Channel rates and charges apply for the wavelengths activated on the ring.

BellSouth Wavelength Dedicated Ring service Primary System and Expansion System rates and charges apply at each Node on the ring for BellSouth Wavelength Dedicated Ring service equipment associated with the establishment of the service. Also included in this service component is the fiber transport required in connecting the service between Node Locations.

A Dual Bay service arrangement¹ has the capability to activate up to 32 wavelengths east and 32 wavelengths west. These 32 wavelengths are activated at a Node location via a Dual Bay Primary System and Dual Bay Expansion Systems. A Dual Bay Primary System has the capability to activate up to 8 wavelengths east and 8 wavelengths west and a Dual Bay Expansion System has the capability to activate up to 8 wavelengths east and 8 wavelengths west. The east and west wavelength capability associated in the following description of the Dual Bay rate application is described as wavelengths without showing the east and west capability. Two (2) Primary System - Dual Bay service components apply per node location. These charges are in addition to the BellSouth Wavelength Dedicated Ring service Primary System - Dual Bay rates and charges described above. For example, if a customer desires to increase the capacity of his BellSouth Wavelength Dedicated Ring service from 8 Wavelengths to 16 Wavelengths, then two BellSouth Wavelength Dedicated Ring service Expansion System - Dual Bay charges apply per Node Location on the ring. If the customer later decides to increase the capacity of his BellSouth Wavelength Dedicated Ring service from 16 Wavelengths to 24 Wavelengths, then two more BellSouth Wavelength Dedicated Ring service Expansion System - Dual Bay charges apply at each Node Location on the ring. The BellSouth Wavelength Dedicated Ring service Expansion System - Dual Bay charges associated with the increase to the 24 Wavelength capacity are in addition to the BellSouth Wavelength Dedicated Ring service Expansion System - Dual Bay charges associated with the increase to the 16 Wavelength capacity. If the customer later decides to increase the capacity of his BellSouth Wavelength Dedicated Ring service from 24 Wavelengths to 32 Wavelengths, then two more BellSouth Wavelength Dedicated Ring service Expansion System - Dual Bay charges apply at each Node Location on the ring. The BellSouth Wavelength Dedicated Ring service Expansion System - Dual Bay charges associated with the increase to the 32 Wavelength capacity are in addition to the BellSouth Wavelength Dedicated Ring service Expansion System - Dual Bay charges associated with the increase to the 16 Wavelength and 24 Wavelength capacity. Expansion System - Dual Bays ordered under the Transport Payment Plan are to be coterminous with it's associated Primary System.

Note 1: Effective August 22, 2008, Dual Bay service arrangements will not be available for new customer orders as set forth in Section 29.3.1(A).

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29.3 BellSouth Wavelength Dedicated Ring Service29.3.2 Rate Conditions

(A) (Cont'd)

Effective August 22, 2008, BellSouth Wavelength Dedicated Ring service configurations provide the customer the capability to activate the full capacity of wavelength channels as defined in TR73630. These wavelengths are activated via BellSouth Wavelength Dedicated Ring service Primary System and BellSouth Wavelength Dedicated Ring service Expansion System components. The BellSouth Wavelength Dedicated Ring service Primary System contains the capability to activate 8 wavelengths east and 8 wavelengths west. (C)

An Expansion System applies at each Node location for each 8 incremental wavelengths activated on a ring to full capacity. Each Expansion System will deliver the capacity of 8 wavelengths east and 8 wavelengths west channels. (C)
(C)
(C)
(C)

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29.3 BellSouth Wavelength Dedicated Ring Service29.3.2 Rates Conditions

(A) (Cont'd)

When Wavelength Channels are setup in a Client Protection arrangement, there is no charge for establishing Client Protection if it is setup at the time the associated Wavelength Channels are activated. If Client Protection is established on Wavelength Channels subsequent to their activation, a Client Protection Rearrangement Charge applies per existing Wavelength Channel configured for Client Protection. This charge would also apply if a customer has Client Protection existing and wants to rearrange the Wavelength Channels associated with the existing Client Protection arrangement. Also, if a customer removes channels from an existing Client Protection arrangement, the Client Protection Rearrangement Charge applies to the Wavelength Channel(s) that are removed from the Client Protection arrangement, unless both the Wavelength Channels are disconnected.

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29.3 BellSouth Wavelength Dedicated Ring Service29.3.2 Rate Conditions

(A) (Cont'd)

Amplification charges are required when the distance between Node Locations and/or characteristic of the fiber optic cable associated with a ring segment (i.e., the portion of the ring between Node Locations) results in a transmission level that is not suitable for the service's proper operation. When the transmission level of a ring segment requires equipment to increase the segment's transmission levels, the required amplification shall be specified on the Service Inquiry as an Optical Signal Amplification Node. Optical Signal Amplification Node charges apply when amplification is needed at a location where a BellSouth Wavelength Dedicated Ring service Primary System does not exist. The Optical Signal Amplification Node does not contain the capability to add or drop services. One Optical Signal Amplification Node charge applies at the amplifier location.

- (B) BellSouth Wavelength Dedicated Ring service is available under commitment plans associated with the Transport Payment Plan, as described in Section 2 of this Guidebook. Month to month rates are only available upon completion of a commitment plan.

The minimum service period associated with BellSouth Wavelength Dedicated Ring service rate elements is twelve months.

- (C) For BellSouth Wavelength Dedicated Ring service, the capability exists for a customer to utilize all or part of a BellSouth Wavelength Dedicated Ring service to transport switched access. The customer must place an order for each individual BellSouth SWA Channel provided over BellSouth Wavelength Dedicated Ring service Shared Use Facilities and specify the channel assignment for each such service. When this occurs, ratcheting of BellSouth Wavelength Dedicated Ring service rate elements (i.e. Primary System, Expansion System, Optical Signal Amplification Node and Wavelength Channels) will be based on the number of voice grade (a.k.a. BellSouth SPA DSO VG) equivalent trunks/lines of that rate element used for BellSouth SWA access. Reduction factors will be developed to reduce the charges on system level billing as well as the billing on individual Wavelength Channels. For ratcheting purposes, the system level charges include Primary System, Expansion System and Optical Signal Amplification Node service components.

The system reduction factor will be based on the equivalent capacity of all of the activated Wavelength Channels as follows. A 1.25 Gbps unprotected Wavelength Channel is considered as 16,128 voice grade equivalents. A 2.5 Gbps unprotected Wavelength Channel is considered as 32,256 voice grade equivalents. A 1000 Mbps Transport is considered as 16,128 voice grade equivalents. An OC-3, unprotected Wavelength Channel is considered as 2,016 voice grade equivalents. An OC-3+ or OC-12, unprotected Wavelength Channel is considered as 8,064 voice grade equivalents. An OC-48 or OC-48+, unprotected Wavelength Channel is

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29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rate Conditions

(C) (Cont'd)

Transport With Transparent Overhead and the 10 Gbps WAN Transport Wavelength Channels are considered as 129,024 voice grade equivalents. An OC-3 WaveGate Wavelength Channel is considered as 2,016 voice grade equivalents. An OC-12 WaveGate Wavelength Channel is considered as 8,064 voice grade equivalents. An OC-48 WaveGate Wavelength Channel is considered as 32,256 voice grade equivalents. An OC-192 WaveGate Wavelength Channel is considered as 129,024 voice grade equivalents.

The reduction factor for individual Wavelength Channels shall be based on the equivalent capacity, as described above, of the specific Wavelength Channel that is carrying BellSouth SWA services.

For conversions of LightGate service (a.k.a. BellSouth SPA Point to Point Network), BellSouth SPA Managed Shared Network Service or SMARTGate service (a.k.a. BellSouth SPA Managed Shared Ring Network) to an arrangement utilizing BellSouth Wavelength Dedicated Ring service and for BellSouth Wavelength Dedicated Ring service that is being added as a part of a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) arrangement, customers will be allowed to defer the start of BellSouth Wavelength Dedicated Ring service ring level billing when the new service arrangement is provided under the Transport Payment Plan, as described in Section 2.4.8. The period of deferred billing shall be based on the Telephone Company's estimation of the time required for conversion, up to a maximum of 60 days. This applies to orders for new service associated with conversions, as described above. For conversions, as described above, that are completed in less than 60 days, the deferred start of ring level billing shall be associated with the completion of the conversion. The term for a customer's BellSouth Wavelength Dedicated Ring service TPP arrangements shall begin after the deferral period and continue to completion, as described in Section 2.4.8, for the customers selected TPP commitment period.

(D)

(D)

Ring level billing is defined as billing for the following rate elements: Primary System, Expansion System and Amplification charges. Billing for Wavelength Channel recurring charges will be effective upon activation of the Wavelength Channel and is not available for deferred billing.

In case of a service outage associated with BellSouth Wavelength Dedicated Ring service ring level rate elements that have deferred billing, as described above, for new service associated with conversions, a service outage credit will not apply.

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29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rates and Charges

	<u>Nonrecurring Charges</u>	<u>Month to Month</u>	<u>USOC</u>
(A) Primary System			
(1) Per Primary System - Dual Bay ¹	\$3,000.00	\$3,775.00	WDRPS
(2) Per Primary System ²	2,000.00	6,330.00	WDRP1
(B) Expansion System			
(1) Per Expansion System - Dual Bay ³	2,000.00	1,365.00	WDRES
(2) Per Expansion System ^{4,5}	1,500.00	2,795.00	WDRP1

Note 1: Primary System - Dual Bay will not be available for new customer orders effective August 22, 2008, as set forth in Section 29.3.1(A). Two Primary System - Dual Bay service components apply, per Node Location, on a ring as described in Section 29.3.2(A). (T)

Note 2: Primary System (previously referred to as Primary System - Single Bay) has been reclassified effective August 22, 2008, as set forth in Section 29.3.1(A). One (1) Primary System component applies per Node location for activation of the first eight (8) wavelengths. (D)

Note 3: Expansion System - Dual Bay will not be available for new customer orders effective August 22, 2008, as set forth in Section 29.3.1(A). Two Expansion System - Dual Bay service components apply per Node Location, per 8 incremental activated wavelengths on a ring, as described in Section 29.3.2(A) and applies for wavelength activations above the Primary System - Dual Bay capacity. (T)

Note 4: For Expansion System - Single Bay arrangements in service prior to August 22, 2008, one (1) Expansion System component applies per Node location for activation of the ninth through sixteenth wavelengths. Expansion System - Single Bay has been reclassified to Expansion System effective August 22, 2008, as set forth in Section 29.3.1(A). (T)

Note 5: An Expansion System applies per Node location, per 8 incremental activated wavelengths on a ring.

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29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rates and Charges

	<u>Nonrecurring Charges</u>	<u>Month to Month</u>	<u>USOC</u>
(C) Wavelength Channel			
(1) Transparent Transport, Per Wavelength Channel			
- 1.25 Gbps,unprotected ¹	1,500.00	3,480.00	WDRCU
- 2.5 Gbps,unprotected ¹	1,750.00	6,210.00	WDRCU
- 1.25 Gbps, Optical Network Protected ¹	1,500.00	5,916.00	WDRCP
- 2.5 Gbps, Optical Network Protected ¹	1,750.00	10,557.00	WDRCP
(2) Bit Rate Specific, Per Wavelength Channel			
(a) Unprotected Channels			
- OC-3,	1,750.00	1,830.00	WDRDU
- OC-3+	1,750.00	2,650.00	WDRDU
- OC-12	1,750.00	2,650.00	WDRDU
- OC-48, OC-48+	1,750.00	6,210.00	WDRDU
- OC-192 or OC-192+	2,000.00	11,690.00	WDRDU

Note 1: These components will not be available for new customer orders effective August 22, 2008, as set forth in Section 29.3.1(A).

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29 - Optical Transport Access Services

29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rates and Charges

(C) Wavelength Channels	<u>Nonrecurring Charges</u>	<u>Month to Month</u>	<u>USOC</u>	
(2) Bit Rate Specific, Per Wavelength Channel				
(a) Unprotected Channels (Cont'd) (T)				
- OC-192 Transport With Transparent Overhead, STM-64 Transport With Transparent Overhead, or 10Gbps WAN Transport ¹	\$2,000.00	\$11,690.00	WDRDU	
- OC-3 Transport With Transparent Overhead	1,500.00	1,830.00	WDRDU	
- OC-12 Transport With Transparent Overhead	1,500.00	2,650.00	WDRDU	
- OC-48 Transport With Transparent Overhead	1,750.00	6,210.00	WDRDU	
- 10 Gbps LAN Transport ²	2,000.00	11,690.00	WDRDU	
- Fast Ethernet at 100 Mbps Metro Ethernet Backbone Wavelength Transport	1,500.00	1,438.00	WDRUA	(N) (N) (N)
- Fast Ethernet at 100 Mbps Transport ³	1,500.00	1,438.00	WDRDU	
- 1000 Mbps Transport	1,500.00	3,115.00	WDRDU	(M)
- Gigabit Ethernet at 1000 Mbps Metro Ethernet Backbone Wavelength Transport	1,500.00	3,115.00	WDRUB	(N) (N) (N)
- Fibre Channel 100 Transport	1,500.00	3,115.00	WDRDU	
- Fibre Channel 200 Transport	1,750.00	5,590.00	WDRDU	
- Fibre Connection (FICON TM) Channel Transport	1,500.00	3,115.00	WDRDU	
- Fibre Connection (FICON TM) Express Channel Transport	1,750.00	5,590.00	WDRDU	
- ESCON TM /SBCON Channel Transport	1,500.00	1,760.00	WDRDU	
(b) Optical Network Protected Channels (T) (M)				
- OC-192 Transport With Transparent Overhead, STM-64 Transport with Transparent Overhead, or 10Gbps WAN Transport ¹	2,000.00	19,873.00	WDRDP	

Note 1: 10 Gbps WAN Channels operate at 9.953 Gbps and do not contain any monitoring above the physical layer.

Note 2: 10 Gbps LAN Channels operate at 10.3125 Gbps and do not contain any monitoring above the physical layer.

Note 3: Fast Ethernet at 100 Mbps and 1000 Mbps do not contain any monitoring above the physical layer.

Certain material previously appearing on this page now appears on 2nd Revised Sheet 19.
Certain material now appearing on this page previously appeared on Original Sheet 17.

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29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rates and Charges

(C) Wavelength Channels	<u>Nonrecurring Charges</u>	<u>Month to Month</u>	<u>USOC</u>	
(2) Bit Rate Specific, Per Wavelength Channel				
(b) Optical Network Protected Channels (Cont'd) (T)				
- OC-3 Transport With Transparent Overhead	\$1,500.00	\$3,385.00	WDRDP	
- OC-12 Transport With Transparent Overhead	1,500.00	4,500.00	WDRDP	
- OC-48 Transport With Transparent Overhead	1,750.00	10,557.00	WDRDP	
- 10 Gbps LAN Transport ¹	2,000.00	19,873.00	WDRDP	
- Fast Ethernet at 100 Mbps Metro Ethernet Backbone Wavelength Transport	1,500.00	2,659.00	WDRPA	(N) (N) (N)
- Fast Ethernet at 100 Mbps Transport ²	1,500.00	2,659.00	WDRDP	
- 1000 Mbps Transport ²	1,500.00	5,296.00	WDRDP	(M)
- Gigabit Ethernet at 1000 Mbps Metro Ethernet Backbone Wavelength Transport	1,500.00	5,296.00	WDRPB	(N) (N) (N)
- Fibre Channel 100 Transport	1,500.00	5,296.00	WDRDP	
- Fibre Channel 200 Transport	1,750.00	9,503.00	WDRDP	
- Fibre Connection (FICON TM) Channel Transport	1,500.00	5,296.00	WDRDP	
- Fibre Connection (FICON TM) Express Channel Transport	1,750.00	9,503.00	WDRDP	
- ESCON TM /SBCON Channel Transport	1,500.00	2,992.00	WDRDP	
(c) WaveGate Channels (T)				
- OC-3 WaveGate	2,625.00	8,630.00	WDRDW	
- OC-12 WaveGate	3,060.00	11,095.00	WDRDW	
- OC-48 WaveGate	3,500.00	14,800.00	WDRDW	
- OC-192 WaveGate	4,375.00	24,670.00	WDRDW	
- OC-48 WaveGate II	3,500.00	43,800.00	WDRD2	
- OC-192 WaveGate II	4,375.00	67,634.00	WDRD2	

Note 1: 10 Gbps LAN Channels operate at 10.3125 Gbps and do not contain any monitoring above the physical layer.

Note 2: Fast Ethernet at 100 Mbps and 1000 Mbps Channels do not contain any monitoring above the physical layer.

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Certain material now appearing on this page previously appeared on Original Sheet 18.

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29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rate and Charges

	<u>Nonrecurring</u>	<u>Recurring Charges</u> Month to Month	<u>USOC</u>
	<u>Charges</u>		
(D) Optical Signal Amplification Node			
(1) Per Optical Signal Amplification Node	\$2,000.00	\$3,440.00	WDRRS
(E) Client Protection Rearrangement Charge, 1,500.00 Subsequent to Initial installation		-	CROT

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29 - Optical Transport Access Services

29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rate and Charges

	Transport Payment Plan			USOC
	Recurring Charges			
	Plan A	Plan B	Plan C	
	12-36	37-60	61-96	
	Months	Months	Months	
(F) Primary System				
(1) Per Primary System - Dual Bay ¹	\$2,905.00	\$2,525.00	\$2,195.00	WDRPS
(2) Per Primary System ²	4,690.00	3,750.00	3,000.00	WDRP1
(G) Expansion System				
(1) Per Expansion System - Dual Bay ³	1,050.00	910.00	790.00	WDRES
(2) Per Expansion System ^{4, 5}	2,150.00	1,740.00	1,390.00	WDRE1

Note 1: Primary System - Dual Bay will not be available for new customer orders effective August 22, 2008, as set forth in Section 29.3.1(A). Two Primary System - Dual Bay service components apply, per Node Location, on a ring as described in Section 29.3.2(A). (T)

Note 2: Primary System (previously referred to as Primary System - Single Bay) has been reclassified effective August 22, 2008, as set forth in Section 29.3.1(A). One (1) Primary System applies per Node location for activation of the first eight (8) wavelengths. (T)
(D)

Note 3: Expansion System - Dual Bay will not be available for new customer orders effective August 22, 2008, as set forth in Section 29.3.1(A). Two Expansion System - Dual Bay service components apply per Node Location, per 8 incremental activated wavelengths on a ring, as described in Section 29.3.2(A). Applies for wavelength activations above the Primary System - Dual Bay capacity. (T)
(T)
(D)

Note 4: For Expansion System - Single Bay arrangements in service prior to August 22, 2008, one (1) Expansion System component applies per Node location for activation of the ninth through sixteenth wavelengths. Expansion System - Single Bay has been reclassified to Expansion System effective August 22, 2008, as set forth in Section 29.3.1(A). (T)

Note 5: An Expansion System applies per Node location, per 8 incremental activated wavelengths on a ring.

ACCESS SERVICE

29 - Optical Transport Access Services

29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rates and Charges

	Transport Payment Plan			<u>USOC</u>
	<u>Recurring Charges</u>			
	Plan A	Plan B	Plan C	
	12-36	37-60	61-96	
	<u>Months</u>	<u>Months</u>	<u>Months</u>	
 (H) Wavelengths Channels				
 (1) Transparent Transport, Per Wavelength Channel				
-1.25 Gbps, unprotected ¹	\$2,675.00	\$2,325.00	\$2,000.00	WDRCU
-2.5 Gbps, unprotected ¹	4,775.00	4,150.00	3,565.00	WDRCU
-1.25 Gbps, Optical Network Protected ¹	4,548.00	3,953.00	3,400.00	WDRCP
-2.5 Gbps, Optical Network Protected ¹	8,118.00	7,055.00	6,061.00	WDRCP

Note 1: These components will not be available for new customer orders effective August 22, 2008, as set forth in Section 29.3.1(A). (T)

						ACCESS SERVICE	(N)
						29 - Optical Transport Access Services	(N)
						29.3 <u>BellSouth Wavelength Dedicated Ring Service</u>	(N)
						29.3.2 <u>Rates and Charges</u>	(N)
						Transport Payment Plan	(N)
						Recurring Charges	(N)
						Plan A Plan B Plan C	(N)
						12-36 37-60 61-96	(N)
						<u>Months Months Months</u> <u>USOC</u>	(N)
(H)						Wavelengths Channels	(M)
(1)						Wavelength Channel Components	(M)
(b)						Bit Rate Specific, Per Wavelength Channel	(M)
						Unprotected Channels	(M)
	-	OC-3	\$1,243.00	\$1,036.00	\$837.00	WDRDU	(M) (T) (R)
	-	OC3+	2,035.00	1,770.00	1,530.00	WDRDU	(M) (T) (R)
	-	OC-12	2,035.00	1,770.00	1,530.00	WDRDU	(M) (T) (R)
	-	OC-48, OC-48+	4,775.00	4,150.00	3,565.00	WDRDU	(M) (T)
	-	OC-192 or OC-192+	8,990.00	7,715.00	6,603.00	WDRDU	(M)
	-	OC-192 Transport With Transparent Overhead, STM-64 Transport With Transparent Overhead, or 10 Gbps WAN Transport ¹	8,990.00	7,715.00	6,603.00	WDRDU	(M) (M) (M) (M) (M)
	-	OC-3 Transport With Transparent Overhead	1,243.00	1,036.00	837.00	WDRDU	(M) (M)
	-	OC-12 Transport With Transparent Overhead	2,035.00	1,770.00	1,530.00	WDRDU	(M) (M)
	-	OC-48 Transport with Transparent Overhead	4,775.00	4,150.00	3,565.00	WDRDU	(M) (M)

Note 1: 10 Gbps WAN Channels operate at 9.953 Gbps and do not contain any monitoring above the physical layer.

Certain material now appearing on this page previously appeared on 1st Revised Sheet 22.

ACCESS SERVICE

29 - Optical Transport Access Services

29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rates and Charges

		Transport Payment Plan			
		Recurring Charges			
		Plan A	Plan B	Plan C	
		12-36	37-60	61-96	
		Months	Months	Months	USOC
(H)	Wavelengths Channels				
(1)	Wavelength Channel Components				
(b)	Bit Rate Specific, Per Wavelength Channel				
	Unprotected Channels (Cont'd)				(T)
-	10 Gbps LAN Transport ¹	\$8,990.00	\$7,715.00	\$6,603.00	WDRDU
-	Fast Ethernet at 100 Mbps	976.00	815.00	658.00	WDRUA (N)
	Metro Ethernet Backbone				(N)
	Transport				(N)
-	Fast Ethernet at 100 Mbps	976.00	815.00	658.00	WDRDU
	Transport ²				(T)
-	1000 Mbps Transport ²	2,395.00	2,085.00	1,800.00	WDRDU (M)
-	Gigabit Ethernet at 1000	2,395.00	2,085.00	1,800.00	WDRUB (N)
	Mbps Metro Ethernet				(N)
	Backbone Wavelength				(N)
	Transport				(N)
-	Fibre Channel 100	2,395.00	2,085.00	1,800.00	WDRDU
	Transport				
-	Fibre Channel 200	4,206.00	3,589.00	3,061.00	WDRDU
	Transport				
-	Fibre Connection (FICON™)	2,395.00	2,085.00	1,800.00	WDRDU
	Channel Transport				
-	Fibre Connection (FICON™)	4,206.00	3,589.00	3,061.00	WDRDU
	Express Channel Channel				
	Transport				
-	ESCON™/SBCON Channel	1,355.00	1,175.00	1,025.00	WDRDU
	Transport				

Note 1: 10 Gbps LAN Channels operate at 10.3125 Gbps and do not contain any monitoring above the physical layer.

Note 2: Fast Ethernet at 100 Mbps Channels and 1000 Mbps Channels do not contain any monitoring above the physical layer.

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Certain material now appearing on this page previously appeared on Original Sheet 22.
Certain material previously appearing on this page now appears on 1st Revised Sheet 24.

ACCESS SERVICE

29 - Optical Transport Access Services

29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rate and Charges

	Transport Payment Plan			USOC	
	Recurring Charges				
	Plan A	Plan B	Plan C		
	12-36	37-60	61-96		
	<u>Months</u>	<u>Months</u>	<u>Months</u>		
(H) Wavelengths Channels					
(2) Bit Rate Specific, Per Wavelength Channel					(T)
(b) Optical Network Protected Channels					(T)
- OC-192 Transport With Transparent Overhead, STM-64 Transport With Transparent Overhead, or 10Gbps WAN Transport ¹	\$15,283.00	\$13,116.00	\$11,225.00	WDRDP	(M) (M) (M) (M) (M)
- OC-3 Transport With Transparent Overhead	\$2,298.00	\$1,917.00	\$1,584.00	WDRDP	
- OC-12 Transport With Transparent Overhead	3,460.00	3,015.00	2,601.00	WDRDP	
- OC-48 Transport With Transparent Overhead	8,118.00	7,055.00	6,061.00	WDRDP	
- 10 Gbps LAN Transport ²	15,283.00	13,116.00	11,225.00	WDRDP	
- Fast Ethernet at 100 Mbps Metro Ethernet Backbone Wavelength Transport	1,805.00	1,508.00	1,216.00	WDRPA	
- Fast Ethernet at 100 Mbps Transport ³	1,805.00	1,508.00	1,216.00	WDRDP	
- 1000 Mbps Transport ³	4,072.00	3,545.00	3,060.00	WDRDP	(M) (M)

Note 1: 10 Gbps WAN Channels operate at 9.953 Gbps and do not contain any monitoring above the physical layer.

Note 2: 10 Gbps LAN Channels operate at 10.3125 Gbps and do not contain any monitoring above the physical layer.

Note 3: 100 Mbps Fast Ethernet and 1000 Mbps Channels do not contain any monitoring above the physical layer.

Certain material now appearing on this page previously appeared on Original Sheet 23.

Certain material previously appearing on this page now appears on Original Sheet 24.1.

ACCESS SERVICE

29 - Optical Transport Access Services

29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rate and Charges

	Transport Payment Plan				
	Recurring Charges				
	Plan A	Plan B	Plan C		
	12-36	37-60	61-96		
	<u>Months</u>	<u>Months</u>	<u>Months</u>	<u>USOC</u>	
(H) Wavelengths Channels					(N)
(2) Bit Rate Specific, Per Wavelength Channel					(N)
(b) Optical Network Protected Channels (Cont'd)					(N)
- Gigabit Ethernet at 1000 Mbps Metro Ethernet Backbone Wavelength Transport	\$4,072.00	\$3,545.00	\$3060.00	WDRPB	(N)
- Fibre Channel 100 Transport	4,072.00	3,545.00	3,060.00	WDRDP	(M)
- Fibre Channel 200 Transport	7,310.00	6,358.00	5,525.00	WDRDP	(M)
- Fibre Connection (FICON™) Channel Transport	4,072.00	3,545.00	3,060.00	WDRDP	(M)

Certain material now appearing on this page previously appeared on Original Sheet 24.

ACCESS SERVICE

29 - Optical Transport Access Services

29.3 BellSouth Wavelength Dedicated Ring Service

29.3.2 Rate and Charges

		Transport Payment Plan			
		<u>Recurring Charges</u>			
		Plan A	Plan B	Plan C	
		12-36	37-60	61-96	
		<u>Months</u>	<u>Months</u>	<u>Months</u>	<u>USOC</u>
(H)	Wavelengths Channels				
	(2) Bit Rate Specific, Per Wavelength Channel				(T)
	(b) Optical Network Protected Channels (Cont'd)				(T)
	- Fibre Connection (FICON™) Express Channel Transport	\$7,310.00	\$6,358.00	\$5,525.00	WDRDP
	- ESCON™/SBCON Channel Transport	1,877.00	1,627.00	1,419.00	WDRDP
	(c) WaveGate Channels				(T)
	- OC-3 WaveGate	6,640.00	5,775.00	5,020.00	WDRDW
	- OC-12 WaveGate	8,535.00	7,425.00	6,455.00	WDRDW
	- OC-48 WaveGate	11,385.00	9,900.00	8,610.00	WDRDW
	- OC-192 WaveGate	18,975.00	16,505.00	14,350.00	WDRDW
	- OC-48 WaveGate II	22,770.00	19,800.00	17,220.00	WDRD2
	- OC-192 WaveGate II	37,950.00	33,010.00	28,700.00	WDRD2
(I)	Optical Signal Amplification Node				
	- Per Optical Signal Amplification Node	2,645.00	2,300.00	2,000.00	WDRRS

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ACCESS SERVICE

29 - Optical Transport Access Services

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29 - Optical Transport Access Services

29.4 BellSouth Wavelength Channel Service

29.4.1 General Description

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29 - Optical Transport Access Services

29.4 BellSouth Wavelength Channel Service

29.4.2 Rate Conditions

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29 - Optical Transport Access Services

29.4 BellSouth Wavelength Channel Service

29.4.2 Rate Conditions

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29 - Optical Transport Access Services

29.4 BellSouth Wavelength Channel Service

29.4.3 Rates and Charges

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29 - Optical Transport Access Services

29.4 BellSouth Wavelength Channel Service

29.4.3 Rates and Charges

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29.4 BellSouth Wavelength Channel Service

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29.4 BellSouth Wavelength Channel Service

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