

BellSouth Telecommunications, Inc.

Regulatory & External Affairs

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July 15, 2004

Ms. Beth Salak, Director
Division of Competitive Markets and Enforcement
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, Florida 32399-0850

Dear Ms. Salak:

Pursuant to Florida Statute 364.051, we are filing herewith revisions to our Private Line Services Tariff and Access Services Tariff. Following are the affected pages:

Private Line Services Tariff
Section B7 – Original Page 63.1
Fourth Revised Page 64

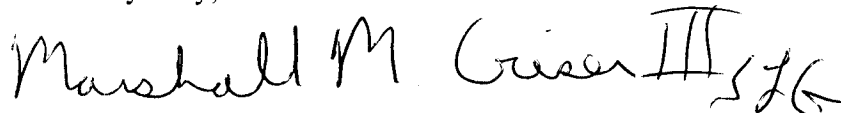
Access Services Tariff
Section E6 – Original Page 58.1.1
Second Revised Page 58.2
Section E7 – Original Page 27.1.1

The purpose of this filing is to introduce administrative procedures for SMARTRing® Service and BellSouth Dedicated Ring associated with regeneration equipment.

Acknowledgment, date of receipt and authority number of this filing are requested. A duplicate letter of transmittal is attached for this purpose.

Your consideration and approval will be appreciated.

Yours very truly,

Handwritten signature of Marshall M. Criser III in cursive script, with the initials 'MJC' at the end.

Regulatory Vice President

Attachments

EXECUTIVE SUMMARY

Present Tariff

SMARTRing® Service in the Private Line Services Tariff and BellSouth Dedicated Ring and SMARTRing® Service in the Access Services Tariff offer transport capabilities that start at the OC-3 level (i.e., 3 DS3 capacity) and go up through OC-192+ (i.e., 96 DS3 capacity between adjacent nodes).

Proposed Tariff

This tariff filing introduces administrative procedures for SMARTRing® Service and BellSouth Dedicated Ring involving signal regeneration. When the distance between nodes on a SMARTRing® service or on a BellSouth Dedicated Ring is such that optical signal regeneration is required, then regeneration equipment is provided as a part of the service's existing Interoffice Channel service components and there is no additional charge to a customer. In order to improve administrative processes, this filing proposes to introduce USOCs that will appear on customer records that reflect the presence of regeneration equipment. These USOCs do not have a rate or charge associated with them as the cost of regeneration equipment is covered in and recovered through the Interoffice Channel service component.

Rationale for Change

SMARTRing® Service and BellSouth Dedicated Ring signal regeneration equipment procedures are being introduced to improve the administration capabilities for these services.

Revenue Impact

There is no revenue impact associated with this filing.

Impact on Customers

This filing will not impact existing or new SMARTRing® Service and BellSouth Dedicated Ring customers.

Cost Impact

There is no cost impact associated with this filing. The cost associated with regeneration equipment is already covered in and recovered through the SMARTRing® Service and BellSouth Dedicated Ring Interoffice Channel service components.

Tariff Revisions
Legislative Format
Not for Approval

EFFECTIVE: July 30, 2004

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing®) Service (Cont'd)

B7.7.3 Architecture (Cont'd)

A. SMARTRing® Service (Cont'd)

- Intermodal Channel (one for each path between two directly connected Customer Nodes), provides for the communications path between two directly connected Customer Nodes located (a) in the same Serving Wire Center area or (b) in the same Office Park/Campus Environment or contiguous property, located in contiguous Serving Wire Center areas. (M)
- Channel Interface Capacity Reallocation (one per node per occurrence), allows the customer to reallocate channel interfaces on a node subsequent to the initial installation of the channel interfaces. For example, a customer may initially allocate, activated or spare, eighty-four DS1s at each node on the ring and may subsequently request Channel Interface Capacity Reallocation to drop one DS3 and fifty-six DS1s at each node, or other combination of DS3s and/or DS1s equivalent to an OC-3 network capacity. (M)
- SMARTRing® service OC-3, OC-12, or OC-48 channel interfaces are associated with optical circuits within a SMARTRing® service arrangement. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel. (M)
- SMARTRing® service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface). For example, a customer may have a service that connects to a ring via an OC-3 interface at a node. That service is then transported around the ring and connects via an OC-12 interface to another of the customer's services. The allowable asymmetrical interface arrangements for the various ring sizes are as shown in Technical Reference TR-73582. (M)
- When the distance between nodes on a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is such that optical signal regeneration is required, then regeneration equipment will be provided at no additional charge to the customer to assure proper operation of the service. In some cases regeneration will be provided via SONET Add/Drop equipment called a Regeneration Node. A Regeneration Node does not contain the capability to add or drop services. A Regeneration Node will appear on a customer's records as a non-rated USOC, as follows: (N)
 - Regeneration Node, all ring capacities, non-rated _____ SHNRD (N)

Material appearing on this page previously appeared on page(s) 64 of this section.

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing®) Service (Cont'd)

B7.7.3 Architecture (Cont'd)

A. SMARTRing® Service (Cont'd)

- Internodal Channel (one for each path between two directly connected Customer Nodes), provides for the communications path between two directly connected Customer Nodes located (a) in the same Serving Wire Center area or (b) in the same Office Park/Campus Environment or contiguous property, located in contiguous Serving Wire Center areas.
- Channel Interface Capacity Reallocation (one per node per occurrence), allows the customer to reallocate channel interfaces on a node subsequent to the initial installation of the channel interfaces. For example, a customer may initially allocate, activate or spare, eighty-four DS1s at each node on the ring and may subsequently request Channel Interface Capacity Reallocation to drop one DS3 and fifty-six DS1s at each node, or other combination of DS3s and/or DS1s equivalent to an OC-3 network capacity.
- SMARTRing[™] service OC-3, OC-12, or OC-48 channel interfaces are associated with optical circuits within a SMARTRing[™] service arrangement. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel.
- SMARTRing[™] service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface). For example, a customer may have a service that connects to a ring via an OC-3 interface at a node. That service is then transported around the ring and connects via an OC-12 interface to another of the customer's services. The allowable asymmetrical interface arrangements for the various ring sizes are as shown in Technical Reference TR-73582.

(M)

B7.7.4 Rates and Charges

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing® Service)

1. Local Channel Mileage Rates (All Capacities)

| | Nonrecurring Charge | Month To Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | |
|---|---------------------|----------------|-----------------|-----------------|-----------------|-----------|
| (a) Per Local Channel | \$425.00 | - | - | - | - | 1HVXX |
| (b) Per quarter air mile | - | 105.00 | 83.00 | 73.00 | 68.00 | 1HVAX |
| 2. Alternate Central Office Channel Mileage Rates (All Capacities) | | | | | | |
| (a) Alternate C.O. Channel, per channel | 480.00 | - | - | - | - | 1HAXX |
| (b) Per quarter air mile | - | 685.00 | 280.00 | 175.00 | 140.00 | 1HAAX |
| 3. Interoffice Channel Mileage Rates | | | | | | |
| (a) Fixed, OC-3 capacity | 145.00 | 50.00 | 36.00 | 32.00 | 27.00 | 1HXFX |
| (b) Fixed, OC-12 capacity | 145.00 | 145.00 | 130.00 | 115.00 | 105.00 | 1HXFX |
| (c) Per quarter air mile (OC-3 capacity) | - | 45.00 | 32.00 | 23.00 | 18.00 | 1HXAX |
| (d) Per quarter air mile (OC-12 capacity) | - | 50.00 | 36.00 | 30.00 | 23.00 | 1HXAX |
| (e) Fixed, OC-3+ capacity | 145.00 | 145.00 | 130.00 | 115.00 | 105.00 | 1HXFX |
| (f) Fixed, OC-48 and OC-48+ capacity | 145.00 | 340.00 | 270.00 | 260.00 | 250.00 | 1HXFX |
| (g) Per quarter air mile (OC-3+ capacity) | - | 50.00 | 36.00 | 30.00 | 23.00 | 1HXAX |
| (h) Per quarter air mile (OC-48 and 48+ capacity) | - | 50.00 | 36.00 | 30.00 | 23.00 | 1HXAX |
| (i) Fixed, OC-192 and OC-192+ capacity | 200.00 | 770.00 | 635.00 | 610.00 | 590.00 | 1HXFX (E) |
| (j) Per quarter air mile (OC-192 and OC-192+ capacity) | - | 50.00 | 36.00 | 30.00 | 23.00 | 1HXAX (E) |

Material previously appearing on this page now appears on page(s) 63.1 of this section.

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FLORIDA
ISSUED: July 15, 2004
BY: Joseph P. Lacher, President -FL
Miami, Florida

Tariff Revisions
Legislative Format
Not for Approval

EFFECTIVE: July 30, 2004

E6. BELLSOUTH SWA SERVICE

E6.2 Provision and Description of BellSouth SWA Service Arrangements (Cont'd)

E6.2.11 BellSouth Dedicated Ring (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (Cont'd)

- 10. BellSouth Dedicated Ring is connectable at Telephone Company Central Offices to any 44.736 Mbps and/or 1.544 Mbps services as provided in Section E6. of this tariff. Rates and charges for such other services are as set forth in the applicable sections of this tariff for such other services. (M)
- 11. Shared Network *Arrangements* will not be provided with BellSouth Dedicated Ring at the Ring level. Shared Network Arrangements as defined in E2.6 apply to DS1 channel interfaces only. (M)(I)
- 12. The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service. (M)
- 13. Where the customer provides two separate entrance facility cable routes for BellSouth Dedicated Ring, the primary and alternate entrance facilities will be separate and will enter the customer node over such different routes. When the customer requests a connection at a Customer Node via two local channels and Telephone Company facilities do not exist for the second Local Channel, the Telephone Company may provide an equivalent second Local Channel via an existing alternate route. When facilities become available for the second Local Channel, the Telephone Company may rearrange the alternate route at any time. (M)
- 14. The compatibility requirements, technical specifications, and generic requirements for BellSouth Dedicated Ring terminated at the customers designated locations are referenced in Technical Reference ANSI T1.404-1994, ANSI T1.403-1989 and ANSI T1.105-1991. (M)
- 15. DS3 interface combinations and technical specifications are referenced in Bellcore TR-INS-000342. (M)
- 16. DS1 interface combinations and technical specifications are referenced in Bellcore TR-NPL-000054. (M)
- 17. STS-1, OC-1, OC-3, and OC-12 interface combinations and technical specifications are referenced in BellSouth Telecommunications, Inc. Technical Reference TR-73582. (M)
- 18. These self-healing multi-nodal DS3 high capacity service channels have a long term performance objective of 99.5 percent error-free seconds and a severely errored second (SES) objective of less than 0.009 percent SES when the circuit is available. Self-healing multi-nodal DS1 high capacity service channels have a long term performance objective of 99.95 percent error-free seconds. (M)
- 19. When the distance between nodes on a BellSouth Dedicated Ring is such that optical signal regeneration is required, then regeneration equipment will be provided at no additional charge to the customer to assure proper operation of the service. In some cases regeneration will be provided via SONET Add/Drop equipment called a Regeneration Node. A Regeneration Node does not contain the capability to add or drop services. Accordingly, FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management may not be ordered with a Regeneration Node, however, a customer may monitor a Regeneration Node via the FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management Surveillance option when a customer has established surveillance for a ring. Regeneration Node Surveillance is provided as a part of the charges associated with the customer's ring level FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management Surveillance. Regeneration Node and Regeneration Node Surveillance, as applicable, will appear on a customer's records as non-rated USOC(s), as follows: (N)
 - Regeneration Node, all ring capacities, non-rated SHSRN (N)
 - Regeneration Node Surveillance, all ring capacities, non-rated SHSRS (N)

Material appearing on this page previously appeared on page(s) 58.2 of this section.

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E6. BELLSOUTH SWA SERVICE

E6.2 Provision and Description of BellSouth SWA Service Arrangements (Cont'd)

E6.2.11 BellSouth Dedicated Ring (Cont'd)

A. ~~Self-healing Multi-nodal Alternate Route Topology Ring (Cont'd)~~

- ~~10. BellSouth Dedicated Ring is connectable at Telephone Company Central Offices to any 44.736 Mbps and/or 1.544 Mbps services as provided in Section E6. of this tariff. Rates and charges for such other services are as set forth in the applicable sections of this tariff for such other services.~~
- ~~11. Shared Network Arrangements will not be provided with BellSouth Dedicated Ring at the Ring level. Shared Network Arrangements as defined in E2.6 apply to DS1 channel interfaces only.~~
- ~~12. The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service.~~
- ~~13. Where the customer provides two separate entrance facility cable routes for BellSouth Dedicated Ring, the primary and alternate entrance facilities will be separate and will enter the customer node over such different routes. When the customer requests a connection at a Customer Node via two local channels and Telephone Company facilities do not exist for the second Local Channel, the Telephone Company may provide an equivalent second Local Channel via an existing alternate route. When facilities become available for the second Local Channel, the Telephone Company may rearrange the alternate route at any time.~~
- ~~14. The compatibility requirements, technical specifications, and generic requirements for BellSouth Dedicated Ring terminated at the customer's designated locations are referenced in Technical Reference ANSI T1.404-1994, ANSI T1.403-1989 and ANSI T1.105-1991.~~
- ~~15. DS3 interface combinations and technical specifications are referenced in Bellcore TR-INS-000342.~~
- ~~16. DS1 interface combinations and technical specifications are referenced in Bellcore TR-NPL-000054.~~
- ~~17. STS-1, OC-1, OC-3, and OC-12 interface combinations and technical specifications are referenced in BellSouth Telecommunications, Inc. Technical Reference TR-73582.~~
- ~~18. These self-healing multi-nodal DS3 high capacity service channels have a long term performance objective of 99.5 percent error-free seconds and a severely errored second (SES) objective of less than 0.009 percent SES when the circuit is available. Self-healing multi-nodal DS1 high capacity service channels have a long term performance objective of 99.95 percent error-free seconds.~~

E6.2.12 Channels For Use With BellSouth Managed Shared Ring

- A. This tariff section provides for intrastate service components that are for use with a customer's interstate BellSouth Managed Shared Ring service arrangement. (M)
- B. BellSouth Managed Shared Ring service is a managed high capacity shared network service that is offered in the BellSouth Telecommunications, Inc. Tariff F.C.C. No.1. The service is available to customer's that aggregate 337 or greater equivalent DS1s at a location. A DS3 is considered as 28 equivalent DS1s. The service is capable of providing a transport link with high performance and reliability parameters and a level of redundancy/diversity designed to limit a single event from interrupting service. The service is based on fiber facilities configured in ring architectures and is available only in those locations within specified metropolitan areas (BellSouth Managed Shared Ring service areas) which the Company determines can be incorporated into the BellSouth Managed Shared Ring service network enabling the Company to provide the specified level of performance and reliability. BellSouth Managed Shared Ring service areas are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF, F.C.C. NO. 4. For BellSouth Managed Shared Ring service, the management function provided with the service is such that the Company will control and design the facility assignment, routing and hubbing of services to the customer's primary and secondary aggregation locations. The customer may not specify facility routing and selection with BellSouth Managed Shared Ring service as they do with regular high capacity (a.k.a. BellSouth SWA High Capacity) services. (N)
- C. Within the wire center serving areas that comprise a BellSouth Managed Shared Ring service area, the customer's high capacity switched access traffic will be collected and managed for delivery to a customer's aggregation location. The traffic will be collected and managed as an Off-Net BellSouth Managed Shared Ring service DS1, or an Off-Net BellSouth Managed Shared Ring service DS3 channel, as applicable. An Off-Net BellSouth Managed Shared Ring service DS1 or DS3 channel is one that originates at an End Office which is on the BellSouth Managed Shared Ring service network for collection, management and delivery to the customer's aggregation location. (N)

Material previously appearing on this page now appears on page(s) 58.1.1 of this section.

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E7. DEDICATED ACCESS SERVICES

E7.2 Service Description (Cont'd)

E7.2.16 SMARTRing[®] service (a.k.a. BellSouth Dedicated Ring) (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (Cont'd)

17. When the distance between nodes on a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is such that optical signal regeneration is required, then regeneration equipment will be provided at no additional charge to the customer to assure proper operation of the service. In some cases regeneration will be provided via SONET Add/Drop equipment called a Regeneration Node. A Regeneration Node does not contain the capability to add or drop services. Accordingly, FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management may not be ordered with a Regeneration Node, however, a customer may monitor a Regeneration Node via the FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management Surveillance option when a customer has established surveillance for a ring. Regeneration Node Surveillance is provided as a part of the charges associated with the customer's ring level FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management Surveillance. Regeneration Node and Regeneration Node Surveillance, as applicable, will appear on a customer's records as non-rated USOC(s), as follows:

| | | |
|---|--------------|------------|
| <u>Regeneration Node, all ring capacities, non-rated</u> | <u>SHNRD</u> | <u>(N)</u> |
| <u>Regeneration Node Surveillance, all ring capacities, non-rated</u> | <u>SHNRS</u> | <u>(N)</u> |

B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing®) Service (Cont'd)

B7.7.3 Architecture (Cont'd)

A. SMARTRing™ Service (Cont'd)

- Internodal Channel (one for each path between two directly connected Customer Nodes), provides for the communications path between two directly connected Customer Nodes located (a) in the same Serving Wire Center area or (b) in the same Office Park/Campus Environment or contiguous property, located in contiguous Serving Wire Center areas. (M)
- Channel Interface Capacity Reallocation (one per node per occurrence), allows the customer to reallocate channel interfaces on a node subsequent to the initial installation of the channel interfaces. For example, a customer may initially allocate, activated or spare, eighty-four DS1s at each node on the ring and may subsequently request Channel Interface Capacity Reallocation to drop one DS3 and fifty-six DS1s at each node, or other combination of DS3s and/or DS1s equivalent to an OC-3 network capacity. (M)
- SMARTRing™ service OC-3, OC-12, or OC-48 channel interfaces are associated with optical circuits within a SMARTRing™ service arrangement. These optical circuits may be provisioned as concatenated. When an optical circuit is provisioned as concatenated, the multiple STS-1s within the optical circuit are provided as a single entity with a single overhead channel. (M)
- SMARTRing™ service interfaces may be ordered as asymmetrical (i.e., a circuit enters one node at a lower level interface and exits at another node at a higher level interface). For example, a customer may have a service that connects to a ring via an OC-3 interface at a node. That service is then transported around the ring and connects via an OC-12 interface to another of the customer's services. The allowable asymmetrical interface arrangements for the various ring sizes are as shown in Technical Reference TR-73582. (M)
- When the distance between nodes on a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is such that optical signal regeneration is required, then regeneration equipment will be provided at no additional charge to the customer to assure proper operation of the service. In some cases regeneration will be provided via SONET Add/Drop equipment called a Regeneration Node. A Regeneration Node does not contain the capability to add or drop services. A Regeneration Node will appear on a customer's records as a non-rated USOC, as follows:
 - Regeneration Node, all ring capacities, non-rated SHNRD (N)

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B7. DIGITAL NETWORK SERVICE

B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing®) Service (Cont'd)

(M)

B7.7.4 Rates and Charges

A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing® Service)

1. Local Channel Mileage Rates (All Capacities)

| | Nonrecurring Charge | Month To Month | 24 to 48 Months | 49 to 72 Months | 73 to 96 Months | USOC |
|---|------------------------|----------------------|-----------------------|-----------------------|-----------------------|-------|
| (a) Per Local Channel | \$425.00 | - | - | - | - | 1HVXX |
| (b) Per quarter air mile | - | 105.00 | 83.00 | 73.00 | 68.00 | 1HVAX |
| 2. Alternate Central Office Channel Mileage Rates (All Capacities) | | | | | | |
| (a) Alternate C.O. Channel, per channel | 480.00 | - | - | - | - | 1HAXX |
| (b) Per quarter air mile | - | 685.00 | 280.00 | 175.00 | 140.00 | 1HAAX |
| 3. Interoffice Channel Mileage Rates | | | | | | |
| (a) Fixed, OC-3 capacity | 145.00 | 50.00 | 36.00 | 32.00 | 27.00 | 1HXFX |
| (b) Fixed, OC-12 capacity | 145.00 | 145.00 | 130.00 | 115.00 | 105.00 | 1HXFX |
| (c) Per quarter air mile (OC-3 capacity) | - | 45.00 | 32.00 | 23.00 | 18.00 | 1HXAX |
| (d) Per quarter air mile (OC-12 capacity) | - | 50.00 | 36.00 | 30.00 | 23.00 | 1HXAX |
| (e) Fixed, OC-3+ capacity | 145.00 | 145.00 | 130.00 | 115.00 | 105.00 | 1HXFX |
| (f) Fixed, OC-48 and OC-48+ capacity | 145.00 | 340.00 | 270.00 | 260.00 | 250.00 | 1HXFX |
| (g) Per quarter air mile (OC-3+ capacity) | - | 50.00 | 36.00 | 30.00 | 23.00 | 1HXAX |
| (h) Per quarter air mile (OC-48 and 48+ capacity) | - | 50.00 | 36.00 | 30.00 | 23.00 | 1HXAX |
| (i) Fixed, OC-192 and OC-192+ capacity | 200.00 | 770.00 | 635.00 | 610.00 | 590.00 | 1HXFX |
| (j) Per quarter air mile (OC-192 and OC-192+ capacity) | - | 50.00 | 36.00 | 30.00 | 23.00 | 1HXAX |

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E6. BELLSOUTH SWA SERVICE

E6.2 Provision and Description of BellSouth SWA Service Arrangements (Cont'd)

E6.2.11 BellSouth Dedicated Ring (Cont'd)

- A. Self-healing Multi-nodal Alternate Route Topology Ring (Cont'd) (M)
10. BellSouth Dedicated Ring is connectable at Telephone Company Central Offices to any 44.736 Mbps and/or 1.544 Mbps services as provided in Section E6. of this tariff. Rates and charges for such other services are as set forth in the applicable sections of this tariff for such other services. (M)
 11. Shared Network *Arrangements* will not be provided with BellSouth Dedicated Ring at the Ring level. Shared Network Arrangements as defined in E2.6 apply to DS1 channel interfaces only. (M)(T)
 12. The customer must provide suitable floor space, controlled environment, and source of non-switched suitable power to support this service. (M)
 13. Where the customer provides two separate entrance facility cable routes for BellSouth Dedicated Ring, the primary and alternate entrance facilities will be separate and will enter the customer node over such different routes. When the customer requests a connection at a Customer Node via two local channels and Telephone Company facilities do not exist for the second Local Channel, the Telephone Company may provide an equivalent second Local Channel via an existing alternate route. When facilities become available for the second Local Channel, the Telephone Company may rearrange the alternate route at any time. (M)
 14. The compatibility requirements, technical specifications, and generic requirements for BellSouth Dedicated Ring terminated at the customers designated locations are referenced in Technical Reference ANSI T1.404-1994, ANSI T1.403-1989 and ANSI T1.105-1991. (M)
 15. DS3 interface combinations and technical specifications are referenced in Bellcore TR-INS-000342. (M)
 16. DS1 interface combinations and technical specifications are referenced in Bellcore TR-NPL-000054. (M)
 17. STS-1, OC-1, OC-3, and OC-12 interface combinations and technical specifications are referenced in BellSouth Telecommunications, Inc. Technical Reference TR-73582. (M)
 18. These self-healing multi-nodal DS3 high capacity service channels have a long term performance objective of 99.5 percent error-free seconds and a severely errored second (SES) objective of less than 0.009 percent SES when the circuit is available. Self-healing multi-nodal DS1 high capacity service channels have a long term performance objective of 99.95 percent error-free seconds. (M)
 19. When the distance between nodes on a BellSouth Dedicated Ring is such that optical signal regeneration is required, then regeneration equipment will be provided at no additional charge to the customer to assure proper operation of the service. In some cases regeneration will be provided via SONET Add/Drop equipment called a Regeneration Node. A Regeneration Node does not contain the capability to add or drop services. Accordingly, FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management may not be ordered with a Regeneration Node, however, a customer may monitor a Regeneration Node via the FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management Surveillance option when a customer has established surveillance for a ring. Regeneration Node Surveillance is provided as a part of the charges associated with the customer's ring level FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management Surveillance. Regeneration Node and Regeneration Node Surveillance, as applicable, will appear on a customer's records as non-rated USOC(s), as follows: (N)
 - Regeneration Node, all ring capacities, non-rated SHSRN (N)
 - Regeneration Node Surveillance, all ring capacities, non-rated SHSRS (N)

Material appearing on this page previously appeared on page(s) 58.2 of this section.

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E6. BELLSOUTH SWA SERVICE

E6.2 Provision and Description of BellSouth SWA Service Arrangements (Cont'd)

(M)

E6.2.12 Channels For Use With BellSouth Managed Shared Ring

- A. This tariff section provides for intrastate service components that are for use with a customer's interstate BellSouth Managed Shared Ring service arrangement.
- B. BellSouth Managed Shared Ring service is a managed high capacity shared network service that is offered in the BellSouth Telecommunications, Inc. Tariff F.C.C. No.1. The service is available to customer's that aggregate 337 or greater equivalent DS1s at a location. A DS3 is considered as 28 equivalent DS1s. The service is capable of providing a transport link with high performance and reliability parameters and a level of redundancy/diversity designed to limit a single event from interrupting service. The service is based on fiber facilities configured in ring architectures and is available only in those locations within specified metropolitan areas (BellSouth Managed Shared Ring service areas) which the Company determines can be incorporated into the BellSouth Managed Shared Ring service network enabling the Company to provide the specified level of performance and reliability. BellSouth Managed Shared Ring service areas are identified in the NATIONAL EXCHANGE CARRIER ASSOCIATION TARIFF, F.C.C. NO. 4. For BellSouth Managed Shared Ring service, the management function provided with the service is such that the Company will control and design the facility assignment, routing and hubbing of services to the customers primary and secondary aggregation locations. The customer may not specify facility routing and selection with BellSouth Managed Shared Ring service as they do with regular high capacity (a.k.a. BellSouth SWA High Capacity) services.
- C. Within the wire center serving areas that comprise a BellSouth Managed Shared Ring service area, the customer's high capacity switched access traffic will be collected and managed for delivery to a customer's aggregation location. The traffic will be collected and managed as an Off-Net BellSouth Managed Shared Ring service DS1, or an Off-Net BellSouth Managed Shared Ring service DS3 channel, as applicable. An Off-Net BellSouth Managed Shared Ring service DS1 or DS3 channel is one that originates at an End Office which is on the BellSouth Managed Shared Ring service network for collection, management and delivery to the customer's aggregation location

Material previously appearing on this page now appears on page(s) 58.1.1 of this section.

All BellSouth marks contained herein and as set forth in the trademarks and servicemarks section of this Tariff are owned by BellSouth Intellectual Property Corporation.

E7. DEDICATED ACCESS SERVICES

E7.2 Service Description (Cont'd)

E7.2.16 SMARTRingSM service (a.k.a. BellSouth Dedicated Ring) (Cont'd)

A. Self-healing Multi-nodal Alternate Route Topology Ring (Cont'd)

17. When the distance between nodes on a SMARTRing service (a.k.a. BellSouth SPA Dedicated Ring) is such that optical signal regeneration is required, then regeneration equipment will be provided at no additional charge to the customer to assure proper operation of the service. In some cases regeneration will be provided via SONET Add/Drop equipment called a Regeneration Node. A Regeneration Node does not contain the capability to add or drop services. Accordingly, FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management may not be ordered with a Regeneration Node, however, a customer may monitor a Regeneration Node via the FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management Surveillance option when a customer has established surveillance for a ring. Regeneration Node Surveillance is provided as a part of the charges associated with the customer's ring level FlexServ service (a.k.a. BellSouth SPA Customer Reconfiguration) Customer Network Management Surveillance. Regeneration Node and Regeneration Node Surveillance, as applicable, will appear on a customer's records as non-rated USOC(s), as follows:

| | | |
|--|-------|-----|
| Regeneration Node, all ring capacities, non-rated | SHNRD | (N) |
| Regeneration Node Surveillance, all ring capacities, non-rated | SHNRS | (N) |