

Regulatory Relations

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June 14, 2007

Beth Salak, Director Competitive Markets and Enforcement Florida Public Service Commission Attn: Tariff Section 2540 Shumard Oak Boulevard Tallahassee, Florida 32399-0850

Dear Mrs. Salak:

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

## Private Line Service Tariff

Section B7 First Revised Page 35.1.0.0.1

Sixth Revised Page 35.1.1 First Revised Page 35.1.2 First Revised Page 52.0.1 First Revised Page 52.2 Original Page 55.1

First Revised Page 59.0.0.1 First Revised Page 65.2 Eighth Revised Page 66 First Revised Page 66.1

The purpose of this filing is to introduce new service capabilities for LightGate Service and SMARTRing Service to meet customer's communication needs.

Acknowledgment, date of receipt and authority number of this filing are requested.

Your consideration and approval will be appreciated.

Yours very truly,

Jerry D. Hendrix (slg)

Regulatory Vice President



## EXECUTIVE SUMMARY FL2007-074

# **Introduction**

The purpose of this filing is to introduce new capabilities for LightGate Service and SMARTRing Service in the Private Line Services Tariff. These capabilities include new interfaces that will give customers the ability to utilize these services as means of transport for backing up their data storage devices.

# **Description/Rationale for Proposed Tariff**

LightGate Service and SMARTRing Service in the Private Line Services Tariff provide customers with SONET transport arrangements from those of an OC-3 (3 DS3 capacity) up through an OC-192 (192 DS3 capacity). These SONET transport arrangements have varying interface capabilities from the DS1 level up through the OC-48 level.

With this tariff filing, new Storage Area Network interfaces are being introduced that will allow customers to utilize LightGate Service and SMARTRing Service for transport associated with backing up data storage devices. These new interfaces will greatly expand a customer's transport capabilities for their LightGate Service and SMARTRing Service arrangements.

# **Customer Effects**

The introduction of these new LightGate Service and SMARTRing Service capabilities will not impact existing customers' service.

# **Revenue Impact**

The revenue for these capabilities will cover its cost.

Cancels Original Page 35.1.0.0.1

(N)

(N)

(N)

35.1.0.0.1

TELECOMMUNICATIONS, INC.

FLORIDA

ISSUED: June 14, 2007 ISSUED: December 14, 2006

EFFECTIVE: June 29, 2007EFFECTIVE: December 29, 2006

BY: Marshall M. Criser III, President -FL Miami, Florida

#### **B7. DIGITAL NETWORK SERVICE**

## B7.4 LightGate Service (Cont'd) Legislative Format

#### B7.4.1 General (Cont'd)

C. Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). The following table lists the channel interfaces available with each LightGate service System. (Cont'd)

T	ocal	Channe	1 System	ns: (Co	nt'd)
	Юcai	Channe	Lovster	us. CCO	m. a)

	Asynchronous			Synchronou	1S		(N)
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192	(N)
Customer Channel Interfaces							(N)
Fractional 1000 Mbps at 150 Mbps, 300 Mbps or 450 Mbps BellSouth Metro Ethernet Backbone	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	(N)
Fractional 1000 Mbps at 600 Mbps BellSouth Metro Ethernet Backbone	No	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	(N)
Fibre Connection (FICON TM)	<u>No</u>	<u>No</u>	<u>No</u>	No	$\underline{\text{Yes}^2}$	$\underline{\text{Yes}^2}$	(N)
Fibre Connection (FICON <sup>TM</sup> ) <u>Express</u>	<u>No</u>	No	<u>No</u>	No	<u>No</u>	$\underline{\text{Yes}^2}$	( <u>N</u> )
Fibre Channel 100	<u>No</u>	No	No	No	$\underline{\text{Yes}^2}$	$\underline{\text{Yes}^2}$	(N)
Fibre Channel 200	No	No	No	No	No	$Yes^2$	(N)

Note 1: Fractional 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. Interface availability is based on equipment capability.

Note 2: Available only for systems that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. The interface is further defined regarding the number of STS-1s used to provision the interface availability is based on equipment capability.

Fifth Sixth Revised Page 35.1.1 Cancels Fourth Fifth Revised Page 35.1.1

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BY: Marshall M. Criser III, President -FL
Miami, Florida

#### **B7. DIGITAL NETWORK SERVICE**

## B7.4 LightGate Service (Cont'd) Legislative Format

#### **B7.4.1 General (Cont'd)**

C. (Cont'd)

Local Channel Systems:

A	synchronous			Synchronou	S		
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192	
Central Office Channel Interfaces (Cont'd	)						
OC-3 Channel System	No	No	No	Yes	Yes	Yes	
OC-12 Channel System	No	No	No	No	No	Yes	
OC-48 Channel System	No	No	No	No	No	Yes	
10 Mbps	No	No	Yes <sup>3</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	
100 Mbps	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	<del>(C)</del>
1000 Mbps	No	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	No	No	Yes <sup>3</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	
100 Mbps BellSouth Metro Ethernet Backbone	No	No	Yes <sup>4</sup>	Yes <sup>4</sup>	Yes <sup>4</sup>	Yes <sup>4</sup>	
1000 Mbps BellSouth Metro Ethernet Backbone	No	No	No	No	Yes <sup>4</sup>	Yes <sup>4</sup>	
Fibre Connection (FICON TM)	No	No	<u>No</u>	<u>No</u>	$\underline{\text{Yes}}^5$	Yes <sup>5</sup>	(N)
Fibre Connection (FICON TM) Express	No	No	<u>No</u>	<u>No</u>	<u>No</u>	$\underline{\text{Yes}}^5$	(N)
Fibre Channel 100	No	No	<u>No</u>	<u>No</u>	$\underline{\text{Yes}}^5$	$\underline{\text{Yes}}^5$	(N)
Fibre Channel 200	No	No	No	No	No	$\underline{\text{Yes}}^5$	(N)

- Note 1: Available only for OC-12, OC-48 or OC-192\_systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.
- Note 2: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.
- Note 3: Available only for systems installed on or after October 20, 2003.
- Note 4: 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1, utilized in conjunction with the interface. The 100 Mbps (3 STS-1) BellSouth Metro Ethernet Backbone interface is not available for OC-3 nodes.
- Note 5: Available only for systems that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. The interface is further defined regarding the number of STS-1s used to provision the interface. Interface availability is based on equipment capability.

(N)

First Revised Page 35.1.2 Original Page 35.1.2 Cancels Original Page 35.1.2

(N)

(N)

(N)

(M)

(N)

(N)

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ISSUED: June 14, 2007ISSUED: June 1, 2006 BY: Marshall M. Criser III, President -FL Miami, Florida

# **B7. DIGITAL NETWORK SERVICE** B7.4 LightGate Service (Cont'd) Legislative Format

#### **B7.4.1 General (Cont'd)**

C. (Cont'd)

Interoffice Channel Systems:

mee chamer by stems.	A 1			C 1			(112)
	Asynchronous			Synchronou			( <del>N)</del>
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192	( <del>N)</del>
Central Office Channel Interfaces							<del>(M)</del>
DS1	No	No	No	No	No	No	(M)
DS3	Yes	No	Yes	Yes	Yes	Yes <sup>1</sup>	(M)(T)
STS-1	No	Yes	Yes	Yes	Yes	$\mathrm{Yes}^I$	(M)(T)
OC-3	No	No	Yes	Yes	Yes	Yes	( <del>M)</del>
OC-12	No	No	No	Yes	Yes	Yes	<del>(M)</del>
OC-48	No	No	No	No	Yes	Yes	<del>(M)</del>
28 DS1 Channel System	Yes	No	Yes	Yes	Yes	$\mathrm{Yes}^{I}$	(M)(T)
STS-1 Channel System	No	Yes	Yes	Yes	Yes	$\mathrm{Yes}^I$	(M)(T)
OC-3 Channel System	No	No	Yes	Yes	Yes	Yes	<del>(M)</del>
OC-12 Channel System	No	No	No	No	No	Yes	<del>(M)</del>
OC-48 Channel System	No	No	No	No	No	Yes	<del>(M)</del>
10 Mbps	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	(M)(T)
100 Mbps	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	(M)(T)
1000 Mbps	No	No	No	No	$Yes^3$	Yes <sup>3</sup>	(M)(T)
Fractional 1000 Mbps at 50 Mbps, 15 Mbps, 300 Mbps or 450 Mbps	0 No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	( <del>M)(T)</del>
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	(M)(T)
Fibre Connection (FICON TM)	No	No	No	No	Yes <sup>4</sup>	$\underline{\text{Yes}^4}$	(N)
Fibre Connection (FICON TM) Express	<u>No</u>	No	No	<u>No</u>	No	$\underline{\text{Yes}^4}$	(N)
Fibre Channel 100	No	No	No	No	$Yes^4$	$\underline{\text{Yes}^4}$	(N)
Fibre Channel 200	No	No	No	No	No	$\underline{\text{Yes}^4}$	(N)
Note 1: Available only for systems	installed on or a	after Octobe	er 20, 2003.				(N)

- Note 1: Available only for systems installed on or after October 20, 2003.
- Note 2: Available only for OC-12, OC-48 or OC-192\_systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.
- Note 3: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.
- Note 4: The interface is further defined regarding the number of STS-1s used to provision the interface.

Material appearing on this page previously appeared on page(s) 35.1.1 of this section.

FICON<sup>TM</sup> is a registered trademark of the International Business Machines (IBM) Corporation, Armonk, NY 10504.

<u>First Revised Page 52.0.1 Original Page 52.0.1</u>

<u>Cancels Original Page 52.0.1</u>

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BY: Marshall M. Criser III, President -FL
Miami, Florida

#### **B7. DIGITAL NETWORK SERVICE**

## B7.4 LightGate Service (Cont'd) Legislative Format

#### **B7.4.5** Rates and Charges (Cont'd)

**A.** LightGate service Local Channel Systems (Cont'd)

acilities. (N)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities. (Cont'd)

Central Office Channel Interfaces (Cont'd)

(N)

	1	Nonrecurring	Month to	24 to 48	49 to 72	73 to 96		
		Charge	Month	Months	Months	Months	USOC	
(w)	Per 100 Mbps (1 STS-1) Metro	\$800.00	\$500.00	\$175.00	\$155.00	\$140.00	1PQEU	(M)(T)
	Ethernet Backbone							
(x)	Per 100 Mbps (3 STS-1) Metro	800.00	540.00	210.00	190.00	170.00	1PQEY	<del>(M)(T)</del>
	Ethernet Backbone							
(y)	Per 1000 Mbps Metro Ethernet	850.00	740.00	520.00	475.00	425.00	1PQEZ	(M)(T)
	Backbone							
(z)	Per Fractional 1000 Mbps							(N)
	Metro Ethernet Backbone							
	- 150 Mbps (3 STS-1)	850.00	560.00	230.00	210.00	190.00	1PQD5	(N)
	- 300 Mbps (6 STS-1)	850.00	600.00	300.00	280.00	260.00	1PQD6	<del>(N)</del>
	- 450 Mbps (9 STS-1)	850.00	640.00	340.00	310.00	290.00	1PQD7	<del>(N)</del>
	- 600 Mbps (12 STS-1)	850.00	700.00	380.00	340.00	320.00	1PQD8	(N)
(aa)	Per Fibre Connection (FICON TN	<u>500.00</u>	810.00	<u>570.00</u>	<u>520.00</u>	<u>470.00</u>	1PQGA	(N)
	(21 STS-1)							
(ab)	Per Fibre Connection (FICON TN	<u>500.00</u>	810.00	<u>570.00</u>	<u>520.00</u>	<u>470.00</u>	1PQGB	(N)
	(24c STS-1)							
(ac)	Per Fibre Connection (FICON TN	<u>520.00</u>	1,280.00	<u>1,060.00</u>	<u>970.00</u>	840.00	1PQGC	(N)
	Express (48 STS-1)	_						
(ad)	Per Fibre Connection (FICON TN	<u>520.00</u>	1,280.00	1,060.00	<u>970.00</u>	840.00	1PQGD	(N)
	Express (48c STS-1)							
(ae)	Per Fibre Channel 100 (21 STS-	<u>500.00</u>	830.00	<u>580.00</u>	<u>530.00</u>	480.00	1PQGE	(N)
(af)	Per Fibre Channel 100 (24c STS	<u>-1)</u> <u>500.00</u>	830.00	<u>580.00</u>	<u>530.00</u>	480.00	1PQGF	(N)
(ag)	Per Fibre Channel 200 (48 STS-	<u>520.00</u>	1,360.00	<u>1,130.00</u>	1,030.00	<u>890.00</u>	1PQGG	(N)
<u>(ah)</u>	Per Fibre Channel 200 (48c STS	<u>-1)</u> <u>520.00</u>	1,360.00	1,130.00	1,030.00	890.00	1PQGH	(N)

Material appearing on this page previously appeared on page(s) 52 of this section. FICON<sup>TM</sup> is a registered trademark of the International Business Machines (IBM) Corporation, Armonk, NY 10504.

First Revised Page 52.2 Original Page 52.2 Cancels Original Page 52.2

(N)

(N)

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#### **B7. DIGITAL NETWORK SERVICE**

#### Legislative Format B7.4 LightGate Service (Cont'd)

#### **B7.4.5** Rates and Charges (Cont'd)

A. LightGate service Local Channel Systems (Cont'd) The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities. (Cont'd)

Customer Channel Interfaces (Cont'd)

ner Channel Interfaces (Cont'd)							(N)
Noni	ecurring	Month to	24 to 48	49 to 72	73 to 96		
	Charge	Month	Months	Months	Months	USOC	
Per 100 Mbps (1 STS-1) Metro	\$800.00	\$500.00	\$175.00	\$155.00	\$140.00	1PQFU	(M)(T)
Ethernet Backbone							
	800.00	540.00	210.00	190.00	170.00	1PQFY	(M)(T)
Per 1000 Mbps Metro Ethernet Backbone	850.00	740.00	520.00	475.00	425.00	1PQFZ	<del>(M)(T)</del>
Per Fractional 1000 Mbps Metro Ethernet							<del>(N)</del>
Backbone							
- 150 Mbps (3 STS-1)	850.00	560.00	230.00	210.00	190.00	1PQ35	<del>(N)</del>
- 300 Mbps (6 STS-1)	850.00	600.00	300.00	280.00	260.00	1PQ36	<del>(N)</del>
- 450 Mbps (9 STS-1)	850.00	640.00	340.00	310.00	290.00	1PQ37	<del>(N)</del>
- 600 Mbps (12 STS-1)	850.00	700.00	380.00	340.00	320.00	1PQ38	<del>(N)</del>
Per Fibre Connection (FICON TM)	<u>500.00</u>	<u>810.00</u>	<u>570.00</u>	<u>520.00</u>	<u>470.00</u>	1PQFA	(N)
(21 STS-1)							
Per Fibre Connection (FICON TM)	500.00	810.00	570.00	<u>520.00</u>	<u>470.00</u>	1PQFC	(N)
(24c STS-1)							
Per Fibre Connection (FICON TM) Express	520.00	1,280.00	1,060.00	<u>970.00</u>	840.00	1PQFD	(N)
(48 STS-1)							
Per Fibre Connection (FICON TM) Express	520.00	1,280.00	1,060.00	<u>970.00</u>	840.00	1PQFE	(N)
(48c STS-1)							
Per Fibre Channel 100 (21 STS-1)	500.00	830.00	<u>580.00</u>	530.00	480.00	1PQFF	(N)
Per Fibre Channel 100 (24c STS-1)	500.00	830.00	580.00	530.00	480.00	1PQFW	(N)
Per Fibre Channel 200 (48 STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	1PQ3A	(N)
Per Fibre Channel 200 (48c STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	1PQ3B	(N)
	Per 100 Mbps (1 STS-1) Metro Ethernet Backbone Per 100 Mbps (3 STS-1) Metro Ethernet Backbone Per 1000 Mbps Metro Ethernet Backbone Per Fractional 1000 Mbps Metro Ethernet Backbone - 150 Mbps (3 STS-1) - 300 Mbps (6 STS-1) - 450 Mbps (9 STS-1) - 600 Mbps (12 STS-1) Per Fibre Connection (FICON TM) (21 STS-1) Per Fibre Connection (FICON TM) (24c STS-1) Per Fibre Connection (FICON TM) (24c STS-1) Per Fibre Connection (FICON TM) Express (48 STS-1) Per Fibre Connection (FICON TM) Per Fibre Channel 100 (21 STS-1) Per Fibre Channel 100 (24 STS-1)	Nonrecurring           Charge           Per 100 Mbps (1 STS-1) Metro         \$800.00           Ethernet Backbone         800.00           Per 100 Mbps (3 STS-1) Metro         850.00           Ethernet Backbone         850.00           Per 1000 Mbps Metro Ethernet Backbone         850.00           Per Fractional 1000 Mbps Metro Ethernet         850.00           150 Mbps (3 STS-1)         850.00           - 300 Mbps (6 STS-1)         850.00           - 450 Mbps (9 STS-1)         850.00           - 600 Mbps (12 STS-1)         850.00           Per Fibre Connection (FICON TM)         500.00           (21 STS-1)         500.00           (24 STS-1)         500.00           (24 STS-1)         520.00           (48 STS-1)         520.00           (48 STS-1)         520.00           (48 STS-1)         500.00           (48 STS-1)         500.00	Nonth to Charge   Month to Charge   Month to Charge   Month	Nontro   Charge   Month   Months	Nonthor	Nonthesis   Nont	Nomble   Nomble   Charge   Month   Months   Mo

Material appearing on this page previously appeared on page(s) 52.1 of this section.

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BELLSOUTHBELLSOUTH PRIVATE LINE SERVICES TARIFFPRIVATE LINE SERVICES TARIFF Original Page 55.1 Original Page 55.1

TELECOMMUNICATIONS, INC. TELECOMMUNICATIONS, INC.

**FLORIDAFLORIDA** 

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EFFECTIVE: June 29, 2007 EFFECTIVE: May 31, 2007

40.4

BY: Marshall M. Criser III, President -FLBY: Marshall M. Criser III, President -FL

Miami, Florida Miami, Florida

### **B7. DIGITAL NETWORK SERVICE**

## B7.4 LightGate Service (Cont'd) Legislative Format

#### **B7.4.5** Rates and Charges (Cont'd)

D. Interoffice Channels (Cont'd) (These channels are furnished between central offices. Rates are based upon airline distance between central offices.)

7. Central Office Channel Interfaces (Cont'd)

(N)

(N)

			<u>Month</u>	<u>24 to</u>	<u>49 to</u>	73 to		
		Nonrecurring	to	48	72	96		
		Charge	Month	Months	Months	Months	<b>USOC</b>	
(u)	Per Fibre Connection	\$500.00	\$810.00	\$570.00	\$520.00	\$470.00	1PQGA	(N)
	(FICON TM) (21 STS-1)							
(v)	Per Fibre Connection	<u>500.00</u>	<u>810.00</u>	<u>570.00</u>	<u>520.00</u>	<u>470.00</u>	1PQGB	(N)
	(FICON TM) (24c STS-1)							
(w)	Per Fibre Connection	<u>520.00</u>	1,280.00	<u>1,060.00</u>	<u>970.00</u>	840.00	1PQGC	(N)
	(FICON TM) Express (48							
	<u>STS-1)</u>							
(x)	Per Fibre Connection	<u>520.00</u>	1,280.00	1,060.00	<u>970.00</u>	<u>840.00</u>	1PQGD	(N)
	(FICON TM) Express (48c							
	<u>STS-1)</u>							
<u>(y)</u>	Per Fibre Channel 100 (21	<u>500.00</u>	830.00	<u>580.00</u>	<u>530.00</u>	<u>480.00</u>	1PQGE	(N)
	<u>STS-1)</u>							
(z)	Per Fibre Channel 100 (24c	<u>500.00</u>	<u>830.00</u>	<u>580.00</u>	<u>530.00</u>	<u>480.00</u>	1PQGF	(N)
	<u>STS-1)</u>							
(aa)	Per Fibre Channel 200 (48	<u>520.00</u>	<u>1,360.00</u>	<u>1,130.00</u>	<u>1,030.00</u>	<u>890.00</u>	1PQGG	(N)
	<u>STS-1)</u>							
<u>(ab)</u>	Per Fibre Channel 200 (48c	520.00	<u>1,360.00</u>	<u>1,130.00</u>	1,030.00	890.00	1PQGH	(N)
	<u>STS-1)</u>							

244.

Miami, Florida

B. (Cont'd)

PRIVATE LINE SERVICES TARIFF First Revised Page 59.0.0.1 Original Page 59.0.0.1 Cancels Original Page 59.0.0.1

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### **B7. DIGITAL NETWORK SERVICE**

#### B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service **Legislative Format** (Cont'd)

#### B7.7.1 General (Cont'd)

SMARTRing service Channel Interface	es are availa	able as foll	lows: (Cont'	d)				(N)
				NODE	<u>s</u>			( <del>N)</del>
<b>Channel Interfaces</b>	OC-3	OC-3+	OC-12	OC-48	OC-48+	OC-192	OC-192+	(N)

Channel Interfaces	OC-3	OC-3+	OC-12	OC-48	OC-48+	OC-192	OC-192+	<del>(N)</del>
100 Mbps BellSouth Metro Ethernet Backbone	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes¹	Yes <sup>1</sup>	(M)(T)
1000 Mbps BellSouth Metro Ethernet Backbone	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	(M)(T)
Fractional 1000 Mbps at 150 Mbps, 300 Mbps or 450 Mbps BellSouth Metro Ethernet Backbone	nO	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	( <del>N)</del>
Fractional 1000 Mbps at 600 Mbps BellSouth Metro Ethernet Backbone	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	<del>(N)</del>
Fibre Connection (FICON TM)	No	No	No	$\underline{\text{Yes}^2}$	$\underline{\text{Yes}^2}$	$\underline{\text{Yes}^2}$	$\underline{\text{Yes}^2}$	(N)
Fibre Connection (FICON <sup>TM</sup> ) Express	No	No	No	No	No	$\underline{\text{Yes}^2}$	Yes <sup>2</sup>	(N)
Fibre Channel 100	No	No	No	$\underline{\text{Yes}^2}$	$\underline{\text{Yes}^2}$	$\underline{\text{Yes}^2}$	$\underline{\text{Yes}^2}$	(N)
Fibre Channel 200	No	No	No	No	No	$\underline{\text{Yes}^2}$	$\underline{\text{Yes}^2}$	(N)

Note 1: Fractional 1000 Mbps BellSouth Metro Ethernet Backbone, 100 Mbps BellSouth Metro Ethernet Backbone and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when SMARTRing service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1s, utilized in conjunction with the interface. The 100 Mbps (3-STS-1) BellSouth Metro Ethernet Backbone interface is not available for OC-3 nodes. Interface availability is based on equipment capability.

Note 2: The interface is further defined regarding the number of STS-1s used to provision the interface. Interface availability is based on equipment capability.

(N)

(M)(C)

(N)

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#### **B7. DIGITAL NETWORK SERVICE**

#### B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service **Legislative Format** (Cont'd)

#### **B7.7.4 Rates and Charges (Cont'd)**

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

Customer Channel Interface (per Node)							<del>(N)</del>
		Month	24 to	49 to	73 to		
	Nonrecurring	To	48	72	96		
	Charge	Month	Months	Months	Months	USOC	
(s) Per Fractional 1000 Mbps							(M)(T)
- 50 Mbps 850 nm Multi-mode	\$450.00	\$520.00	\$190.00	\$170.00	\$150.00	SHN10	(M)(T)
- 50 Mbps 1310 nm Single-mode	450.00	520.00	190.00	170.00	150.00	SHN3O	<del>(M)(T)</del>
- 150 Mbps 850 nm Multi-mode	450.00	560.00	230.00	210.00	190.00	SHN1P	<del>(M)</del>
- 150 Mbps 1310 nm Single-mode	450.00	560.00	230.00	210.00	190.00	SHN3P	(M)(T)
- 300 Mbps 850 nm Multi-mode	450.00	600.00	300.00	280.00	260.00	SHN1R	<del>(M)</del>
- 300 Mbps 1310 nm Single-mode	450.00	600.00	300.00	280.00	260.00	SHN3R	(M)(T)
- 450 Mbps 850 nm Multi-mode	450.00	640.00	340.00	310.00	290.00	SHN1U	<del>(M)</del>
- 450 Mbps 1310 nm Single-mode	450.00	640.00	340.00	310.00	290.00	SHN3U	(M)(T)
- 600 Mbps 850 nm Multi-mode	450.00	700.00	380.00	340.00	320.00	SHN1V	<del>(M)</del>
- 600 Mbps 1310 nm Single-mode	450.00	700.00	380.00	340.00	320.00	SHN3V	
(t) Per Flex DS1	360.00	45.00	34.00	27.00	25.00	SHN1Q	
(u) Per 100 Mbps (1 STS-1) Metro Ethernet	800.00	500.00	175.00	155.00	140.00	SHN1J	(M)(T)
Backbone							
(v) Per 100 Mbps (3 STS-1) Metro Ethernet	800.00	540.00	210.00	190.00	170.00	SHN33	(M)(T)
Backbone							
(w) Per 1000 Mbps Metro Ethernet Backbone	850.00	740.00	520.00	475.00	425.00	SHN34	(M)(T)
(x) Per Fractional 1000 Mbps Metro Ethernet							(N)
Backbone							
- 150 Mbps (3 STS-1)	850.00	560.00	230.00	210.00	190.00	SHN35	(N)
- 300 Mbps (6 STS-1)	850.00	600.00	300.00	280.00	260.00	SHN36	(N)
- 450 Mbps (9 STS-1)	850.00	640.00	340.00	310.00	290.00	SHN37	(N)
- 600 Mbps (12 STS-1)	850.00	700.00	380.00	340.00	320.00	SHN38	(N)
(y) Per Fibre Connection (FICON TM)	<u>500.00</u>	810.00	<u>570.00</u>	<u>520.00</u>	<u>470.00</u>	<b>SHNBC</b>	(N)
(21 STS-1)							
(z) Per Fibre Connection (FICON TM)	<u>500.00</u>	<u>810.00</u>	<u>570.00</u>	<u>520.00</u>	<u>470.00</u>	<u>SHNBD</u>	(N)
(24c STS-1)							
(aa) Per Fibre Connection (FICON TM) Express	<u>520.00</u>	<u>1,280.00</u>	<u>1,060.00</u>	<u>970.00</u>	<u>840.00</u>	<b>SHNBE</b>	(N)
(48 STS-1)							
(ab) Per Fibre Connection (FICON TM) Express	<u>520.00</u>	<u>1,280.00</u>	<u>1,060.00</u>	<u>970.00</u>	<u>840.00</u>	<b>SHNBF</b>	(N)
(48c STS-1)							
(ac) Per Fibre Channel 100 (21 STS-1)	<u>500.00</u>	830.00	<u>580.00</u>	<u>530.00</u>	<u>480.00</u>	<u>SHNBG</u>	(N)
(ad) Per Fibre Channel 100 (24c STS-1)	<u>500.00</u>	<u>830.00</u>	<u>580.00</u>	530.00	<u>480.00</u>	<u>SHNBH</u>	(N)
(ae) Per Fibre Channel 200 (48 STS-1)	<u>520.00</u>	<u>1,360.00</u>	<u>1,130.00</u>	1,030.00	890.00	<u>SHNBJ</u>	(N)

520.00

1,360.00

1,130.00 1,030.00

890.00

**SHNBK** 

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(af) Per Fibre Channel 200 (48c STS-1)

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#### **B7. DIGITAL NETWORK SERVICE**

# B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service **Legislative Format**

- A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)
- Central Office Node (per Node)

	(a) (b) (c) (d) (e) (f) (g) (h)	OC- OC- OC- OC- OC- OC-	3 capacity -3+ capacity -12 capacity -48 capacity -48+ capacity -192 capacity -192+ capacity 3 Shared Node Interconnection 12 Shared Node Interconnection	Nonrecurring Charge \$370.00 370.00 375.00 375.00 375.00 540.00 540.00 550.00	Month To Month \$1,400.00 2,250.00 2,680.00 4,860.00 5,490.00 25,000.00 980.00 1,820.00	24 to 48 Months \$990.00 1,845.00 1,980.00 4,110.00 9,375.00 9,375.00 690.00 1,390.00	49 to 72 Months \$900.00 1,575.00 1,800.00 4,050.00 4,050.00 8,250.00 630.00 1,260.00	73 to 96 Months \$810.00 1,350.00 1,575.00 3,510.00 7,300.00 7,300.00 570.00 1,100.00	USOC SHNH3 SHNH5 SHNH1 SHNH8 SHNH9 SHNH7 SHNH6 SHNHA SHNHB	( <del>N)</del>
	(j)	OC-	48 Shared Node Interconnection	550.00	3,400.00	2,880.00	2,840.00	2,460.00	SHNHC	<del>(N)</del>
8.		conne	3 <u>OC-48+</u> Shared Node ection Channel Interface (per Central Offic	550.00	3,840.00	2,880.00	2,840.00	2,460.00	SHNHD	(T)(N)
٥.	Centrar C			125.00	40.00	25.00	30.00	25.00	SHNCB	
		(a)	Per DS1	185.00	40.00 115.00	35.00 85.00	80.00	75.00	SHNYT	
		(b)	Per DS3	215.00	150.00	85.00 105.00	100.00	90.00	SHNY1 SHNO2	
		(c)	Per STS-1							
		(d)	Per OC-3, 2 fiber	340.00 340.00	255.00 515.00	190.00 380.00	170.00 340.00	160.00 320.00	SHNCD SHNO4	
		(e)	Per OC 12, 2 fiber	540.00	745.00	515.00	475.00	440.00	SHNCF	
		(f)	Per OC-12, 2 fiber	540.00	1,490.00	1,030.00	950.00	880.00	SHNC9	
		(g)	Per OC-12, 4 fiber	650.00	1,600.00	1,325.00	1,215.00	1,050.00	SHNCJ	
		(h)	Per OC-48, 2 fiber	650.00						
		(i)	Per OC-48, 4 fiber		3,200.00	2,650.00	2,430.00 550.00	2,100.00 525.00	SHNCK	
		(j)	Per 28 DS1 Channel System (DS3)		700.00 750.00	600.00 550.00	500.00	450.00	SHNW8 SHNCS	
		(k)	Per 28 DS1 Channel System (STS-	,	18.00	12.00	9.00	450.00 8.00	SHNCA	
		(1)	Per DS1 on 28 DS1 Channel System	m 140.00	10.00	12.00	9.00	0.00	SHINCA	
		(m)	(DS3) Per DS1 on 28 DS1 Channel System (STS-1)	m 155.00	40.00	35.00	30.00	25.00	SHNCG	
		(n)	Per DS1 within an STS-1 Asymmetrical Arrangement	360.00	25.00	22.00	20.00	18.00	SHNCH	
		(o)	Per DS3 (Asymmetrical with DS1)	400.00	550.00	450.00	400.00	350.00	SHNCT	
		(p)	Per 1000 Mbps (21 STS-1)	400.00	740.00	520.00	475.00	425.00	SHNCW	<del>(C)</del>
		(q)	Per 1000 Mbps (24 STS-1)	400.00	740.00	520.00	475.00	425.00	SHNDW	(N)
		(r)	Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHNCM	<del>(T)</del>
		(s)	Per 100 Mbps (3 STS-1)	450.00	540.00	210.00	190.00	170.00	SHNCN	(T)
		(3)	1 or 100 mops (5 515-1)	120.00	2 10100		270.00	2.0.00	522.1011	(M)
										(141)

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#### **B7. DIGITAL NETWORK SERVICE**

#### B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service **Legislative Format** (Cont'd)

#### **B7.7.4 Rates and Charges (Cont'd)**

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

(N) Central Office Channel Interface (per Node) (N)

			Month	24 to	49 to	73 to		
		Nonrecurring	To	48	72	96		
		Charge	Month	Months	Months	Months	USOC	
(t)	Per Fractional 1000 Mbps							(M)(T)
	- 50 Mbps	\$450.00	\$520.00	\$190.00	\$170.00	\$150.00	SHNCO	(M)(T)
	- 150 Mbps	450.00	560.00	230.00	210.00	190.00	SHNCP	<del>(M)</del>
	- 300 Mbps	450.00	600.00	300.00	280.00	260.00	SHNCR	(M)
	- 450 Mbps	450.00	640.00	340.00	310.00	290.00	SHNCU	<del>(M)</del>
	- 600 Mbps	450.00	700.00	380.00	340.00	320.00	SHNCV	<del>(M)</del>
(u)	Per Flex DS1	250.00	40.00	30.00	25.00	20.00	SHNCQ	<del>(M)(T)</del>
(v)	Per 100 Mbps (1 STS-1) Metro	800.00	500.00	175.00	155.00	140.00	SHNOJ	(M)(T)
	Ethernet Backbone							
(w)	Per 100 Mbps (3 STS-1) Metro	800.00	540.00	210.00	190.00	170.00	SHNCX	(M)(T)
	Ethernet Backbone							
(x)	Per 1000 Mbps Metro Ethernet	850.00	740.00	520.00	475.00	425.00	SHNC5	(M)(T)
	Backbone							
(y)	Per Fractional 1000 Mbps Metro							(N)
	Ethernet Backbone							
	- 150 Mbps (3 STS-1)	850.00	560.00	230.00	210.00	190.00	SHND5	<del>(N)</del>
	- 300 Mbps (6 STS-1)	850.00	600.00	300.00	280.00	260.00	SHND6	<del>(N)</del>
	- 450 Mbps (9 STS-1)	850.00	640.00	340.00	310.00	290.00	SHND7	<del>(N)</del>
	- 600 Mbps (12 STS-1)	850.00	700.00	380.00	340.00	320.00	SHND8	<del>(N)</del>
(z)	Per Fibre Connection (FICON TM)	<u>500.00</u>	810.00	<u>570.00</u>	<u>520.00</u>	<u>470.00</u>	<b>SHNDB</b>	(N)
	(21 STS-1)							
(aa)	Per Fibre Connection (FICON TM)	<u>500.00</u>	<u>810.00</u>	<u>570.00</u>	<u>520.00</u>	<u>470.00</u>	<b>SHNDC</b>	(N)
	(24c STS-1)							
(ab)	Per Fibre Connection (FICON TM)	<u>520.00</u>	<u>1,280.00</u>	<u>1,060.00</u>	<u>970.00</u>	840.00	SHNDD	(N)
	Express							
	(48 STS-1)							
(ac)	Per Fibre Connection (FICON TM)	<u>520.00</u>	<u>1,280.00</u>	<u>1,060.00</u>	<u>970.00</u>	<u>840.00</u>	<b>SHNDE</b>	(N)
	Express							
	(48c STS-1)							
<u>(ad)</u>	Per Fibre Channel 100 (21 STS-1)	<u>500.00</u>	830.00	<u>580.00</u>	<u>530.00</u>	480.00	<b>SHNDF</b>	(N)
(ae)	Per Fibre Channel 100 (24c STS-1)	<u>500.00</u>	830.00	<u>580.00</u>	<u>530.00</u>	480.00	SHNDG	(N)
<u>(af)</u>	Per Fibre Channel 200 (48 STS-1)	<u>520.00</u>	<u>1,360.00</u>	<u>1,130.00</u>	<u>1,030.00</u>	<u>890.00</u>	<u>SHNDH</u>	(N)
(ag)	Per Fibre Channel 200 (48c STS-1)	<u>520.00</u>	<u>1,360.00</u>	<u>1,130.00</u>	<u>1,030.00</u>	<u>890.00</u>	<u>SHNDJ</u>	(N)

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Miami, Florida

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#### **B7. DIGITAL NETWORK SERVICE**

## **B7.4 LightGate Service (Cont'd)**

#### **B7.4.1 General (Cont'd)**

C. Channel interface availability varies with system size and transport architecture (asynchronous vs. synchronous). The following table lists the channel interfaces available with each LightGate service System. (Cont'd)

Local Channel Systems: (Cont'd)

	Asynchronous						
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192	
Customer Channel Interfaces							
Fractional 1000 Mbps at 150 Mbps, 300 Mbps or 450 Mbps BellSouth Metro Ethernet Backbone	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	
Fractional 1000 Mbps at 600 Mbps BellSouth Metro Ethernet Backbone	No	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	
Fibre Connection (FICON TM)	No	No	No	No	$Yes^2$	Yes <sup>2</sup>	(N)
Fibre Connection (FICON <sup>TM</sup> ) Express	No	No	No	No	No	Yes <sup>2</sup>	(N)
Fibre Channel 100	No	No	No	No	$Yes^2$	Yes <sup>2</sup>	(N)
Fibre Channel 200	No	No	No	No	No	Yes <sup>2</sup>	(N)

- **Note 1:** Fractional 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. Interface availability is based on equipment capability.
- **Note 2:** Available only for systems that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. The interface is further defined regarding the number of STS-1s used to provision the interface. Interface availability is based on equipment capability.

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BELLSOUTH
TELECOMMUNICATIONS, INC.
FLORIDA
ISSUED: June 14, 2007

BY: Marshall M. Criser III, President -FL

: Marsnall M. Criser III, Preside Miami, Florida Sixth Revised Page 35.1.1 Cancels Fifth Revised Page 35.1.1

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#### **B7. DIGITAL NETWORK SERVICE**

## **B7.4 LightGate Service (Cont'd)**

#### **B7.4.1 General (Cont'd)**

C. (Cont'd)

Local Channel Systems:

	Asynchronous			Synchronou	S		
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192	
Central Office Channel Interfaces (Cont'	d)						
OC-3 Channel System	No	No	No	Yes	Yes	Yes	
OC-12 Channel System	No	No	No	No	No	Yes	
OC-48 Channel System	No	No	No	No	No	Yes	
10 Mbps	No	No	Yes <sup>3</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	
100 Mbps	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	$Yes^1$	
1000 Mbps	No	No	No	No	$Yes^2$	Yes <sup>2</sup>	
Fractional 1000 Mbps at 50 Mbps, 15 Mbps, 300 Mbps or 450 Mbps	0 No	No	Yes <sup>3</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes <sup>1</sup>	$Yes^1$	
100 Mbps BellSouth Metro Etherne Backbone	et No	No	Yes <sup>4</sup>	Yes <sup>4</sup>	Yes <sup>4</sup>	Yes <sup>4</sup>	
1000 Mbps BellSouth Metro Etherne Backbone	et No	No	No	No	Yes <sup>4</sup>	Yes <sup>4</sup>	
Fibre Connection (FICON TM)	No	No	No	No	Yes <sup>5</sup>	Yes <sup>5</sup>	
Fibre Connection (FICON TM) Expres	s No	No	No	No	No	Yes <sup>5</sup>	
Fibre Channel 100	No	No	No	No	Yes <sup>5</sup>	Yes <sup>5</sup>	
Fibre Channel 200	No	No	No	No	No	Yes <sup>5</sup>	

- Note 1: Available only for OC-12, OC-48 or OC-192\_systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.
- **Note 2:** Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.
- Note 3: Available only for systems installed on or after October 20, 2003.
- Note 4: 100 Mbps and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when LightGate service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1, utilized in conjunction with the interface. The 100 Mbps (3 STS-1) BellSouth Metro Ethernet Backbone interface is not available for OC-3 nodes.
- **Note 5:** Available only for systems that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. The interface is further defined regarding the number of STS-1s used to provision the interface. Interface availability is based on equipment capability.

(N)

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#### **B7. DIGITAL NETWORK SERVICE**

## **B7.4 LightGate Service (Cont'd)**

#### B7.4.1 General (Cont'd)

C. (Cont'd)

ISSUED: June 14, 2007

Interoffice Channel Systems:

	Asynchronous			Synchronou	S		
	LG1	STS-1	OC-3	OC-12	OC-48	OC-192	
Central Office Channel Interfaces							
DS1	No	No	No	No	No	No	
DS3	Yes	No	Yes	Yes	Yes	Yes <sup>1</sup>	
STS-1	No	Yes	Yes	Yes	Yes	Yes <sup>1</sup>	
OC-3	No	No	Yes	Yes	Yes	Yes	
OC-12	No	No	No	Yes	Yes	Yes	
OC-48	No	No	No	No	Yes	Yes	
28 DS1 Channel System	Yes	No	Yes	Yes	Yes	Yes <sup>1</sup>	
STS-1 Channel System	No	Yes	Yes	Yes	Yes	Yes <sup>1</sup>	
OC-3 Channel System	No	No	Yes	Yes	Yes	Yes	
OC-12 Channel System	No	No	No	No	No	Yes	
OC-48 Channel System	No	No	No	No	No	Yes	
10 Mbps	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	
100 Mbps	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	
1000 Mbps	No	No	No	No	Yes <sup>3</sup>	Yes <sup>3</sup>	
Fractional 1000 Mbps at 50 Mbps, 150 Mbps, 300 Mbps or 450 Mbps	0 No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	
Fractional 1000 Mbps at 600 Mbps	No	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	
Fibre Connection (FICON TM)	No	No	No	No	Yes <sup>4</sup>	$Yes^4$	
Fibre Connection (FICON TM) Express	No	No	No	No	No	Yes <sup>4</sup>	
Fibre Channel 100	No	No	No	No	Yes <sup>4</sup>	Yes <sup>4</sup>	
Fibre Channel 200	No	No	No	No	No	Yes <sup>4</sup>	

Note 1: Available only for systems installed on or after October 20, 2003.

(N)

Note 2: Available only for OC-12, OC-48 or OC-192\_systems installed on or after December 3, 2004, that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 10 Mbps, 100 Mbps and Fractional 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer. 10 Mbps, 100 Mbps and Fractional 1000 Mbps at 50 Mbps interfaces are available for OC-3 systems only that were installed on or after May 12, 2006. 100 Mbps interface service components are further defined regarding the number of STS-1s used to provision the interface.

Note 3: Available only for systems installed on or after October 20, 2003 that do not contain a Optical Customer Termination or a Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 4: The interface is further defined regarding the number of STS-1s used to provision the interface.

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Miami, Florida

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EFFECTIVE: June 29, 2007

### **B7. DIGITAL NETWORK SERVICE**

## **B7.4 LightGate Service (Cont'd)**

#### **B7.4.5** Rates and Charges (Cont'd)

A. LightGate service Local Channel Systems (Cont'd)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities. (Cont'd)

7. Central Office Channel Interfaces (Cont'd)

(w)	Per 100 Mbps (1 STS-1) Metro Ethernet Backbone	Nonrecurring Charge \$800.00	Month to Month \$500.00	24 to 48 Months \$175.00	49 to 72 Months \$155.00	73 to 96 Months \$140.00	USOC 1PQEU	
(x)	Per 100 Mbps (3 STS-1) Metro	800.00	540.00	210.00	190.00	170.00	1PQEY	
(y)	Ethernet Backbone Per 1000 Mbps Metro Ethernet Backbone	850.00	740.00	520.00	475.00	425.00	1PQEZ	
(z)	Per Fractional 1000 Mbps							
	Metro Ethernet Backbone - 150 Mbps (3 STS-1)	850.00	560.00	230.00	210.00	190.00	1PQD5	
	- 300 Mbps (6 STS-1)	850.00	600.00	300.00	280.00	260.00	1PQD6	
	- 450 Mbps (9 STS-1)	850.00	640.00	340.00	310.00	290.00	1PQD7	
	- 600 Mbps (12 STS-1)	850.00	700.00	380.00	340.00	320.00	1PQD8	
(aa)	Per Fibre Connection (FICON TN (21 STS-1)	<sup>A</sup> ) 500.00	810.00	570.00	520.00	470.00	1PQGA	(N)
(ab)	Per Fibre Connection (FICON TN (24c STS-1)	<sup>A</sup> ) 500.00	810.00	570.00	520.00	470.00	1PQGB	(N)
(ac)	Per Fibre Connection (FICON TN Express (48 STS-1)	<sup>A</sup> ) 520.00	1,280.00	1,060.00	970.00	840.00	1PQGC	(N)
(ad)	Per Fibre Connection (FICON TN	<sup>A</sup> ) <b>520.00</b>	1,280.00	1,060.00	970.00	840.00	1PQGD	(N)
(ae)	Express (48c STS-1) Per Fibre Channel 100 (21 STS-	1) 500.00	830.00	580.00	530.00	480.00	1PQGE	(N)
(af)	Per Fibre Channel 100 (24c STS	-/	830.00	580.00	530.00	480.00	1PQGF	(N)
(ag)	Per Fibre Channel 200 (48 STS-	-/	1,360.00	1,130.00	1,030.00	890.00	1POGG	(N)
(ab)	Per Fibre Channel 200 (48c STS	,	1,360.00	1,130.00	1,030.00	890.00	1PQGH	(N)

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First Revised Page 52.2 Cancels Original Page 52.2

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#### **B7. DIGITAL NETWORK SERVICE**

## **B7.4 LightGate Service (Cont'd)**

#### **B7.4.5** Rates and Charges (Cont'd)

A. LightGate service Local Channel Systems (Cont'd)

The Basic System includes photonic common equipment and first one-half air mile of local channel fiber optic facilities. (Cont'd)

8. Customer Channel Interfaces (Cont'd)

	Nor	nrecurring	Month to	24 to 48	49 to 72	73 to 96		
		Charge	Month	Months	Months	Months	USOC	
(t)	Per 100 Mbps (1 STS-1) Metro	\$800.00	\$500.00	\$175.00	\$155.00	\$140.00	1PQFU	
	Ethernet Backbone							
(u)	Per 100 Mbps (3 STS-1) Metro	800.00	540.00	210.00	190.00	170.00	1PQFY	
	Ethernet Backbone							
(v)	Per 1000 Mbps Metro Ethernet Backbone	850.00	740.00	520.00	475.00	425.00	1PQFZ	
(w)	Per Fractional 1000 Mbps Metro Ethernet							
	Backbone							
	- 150 Mbps (3 STS-1)	850.00	560.00	230.00	210.00	190.00	1PQ35	
	- 300 Mbps (6 STS-1)	850.00	600.00	300.00	280.00	260.00	1PQ36	
	- 450 Mbps (9 STS-1)	850.00	640.00	340.00	310.00	290.00	1PQ37	
	- 600 Mbps (12 STS-1)	850.00	700.00	380.00	340.00	320.00	1PQ38	
(x)	Per Fibre Connection (FICON TM)	500.00	810.00	570.00	520.00	470.00	1PQFA	(N)
	(21 STS-1)							
(y)	Per Fibre Connection (FICON TM)	500.00	810.00	570.00	520.00	470.00	1PQFC	(N)
	(24c STS-1)							
(z)	Per Fibre Connection (FICON TM) Express	520.00	1,280.00	1,060.00	970.00	840.00	1PQFD	(N)
	(48 STS-1)							
(aa)	Per Fibre Connection (FICON TM) Express	520.00	1,280.00	1,060.00	970.00	840.00	1PQFE	(N)
	(48c STS-1)							
(ab)	Per Fibre Channel 100 (21 STS-1)	500.00	830.00	580.00	530.00	480.00	1PQFF	(N)
(ac)	Per Fibre Channel 100 (24c STS-1)	500.00	830.00	580.00	530.00	480.00	1PQFW	(N)
(ad)	Per Fibre Channel 200 (48 STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	1PQ3A	(N)
(ae)	Per Fibre Channel 200 (48c STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	1PQ3B	(N)

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#### **B7. DIGITAL NETWORK SERVICE**

## **B7.4 LightGate Service (Cont'd)**

#### **B7.4.5 Rates and Charges (Cont'd)**

**D.** Interoffice Channels (Cont'd) (These channels are furnished between central offices. Rates are based upon airline distance between central offices.)

7. Central Office Channel Interfaces (Cont'd)

49 to 73 to Month 24 to **Nonrecurring** to 48 72 96 Charge Month Months Months Months USOC Per Fibre Connection (FICON TM) \$500.00 \$810.00 \$570.00 \$520.00 \$470.00 1PQGA (u) (N) (21 STS-1) Per Fibre Connection (FICON TM) 500.00 810.00 570.00 520.00 470.00 1PQGB (N) (v) (24c STS-1) Per Fibre Connection (FICON TM) 520.00 1,280.00 1,060.00 970.00 840.00 1PQGC (N) Express (48 STS-1) Per Fibre Connection (FICON TM) 1,280.00 520.00 1,060.00 970.00 840.00 1PQGD (N) (x) Express (48c STS-1) 500.00 830.00 580.00 530.00 480.00 1PQGE (N) (y) Per Fibre Channel 100 (21 STS-1) 500.00 830.00 580.00 530.00 480.00 1PQGF (z) Per Fibre Channel 100 (24c STS-1) (N) 520.00 1,360.00 1,130.00 1,030.00 890.00 1PQGG Per Fibre Channel 200 (48 STS-1) (N) (aa) Per Fibre Channel 200 (48c STS-1) 520.00 1,360.00 1,130.00 1,030.00 890.00 1PQGH (N)

FICON<sup>TM</sup> is a registered trademark of the International Business Machines (IBM) Corporation, Armonk, NY 10504.

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#### **B7. DIGITAL NETWORK SERVICE**

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

#### B7.7.1 General (Cont'd)

**B.** (Cont'd)

SMARTRing service Channel Interfaces are available as follows: (Cont'd)

				NODE	<u>s</u>			
<b>Channel Interfaces</b>	OC-3	OC-3+	OC-12	OC-48	OC-48+	OC-192	OC-192+	
100 Mbps BellSouth Metro Ethernet Backbone	Yes <sup>1</sup>							
1000 Mbps BellSouth Metro Ethernet Backbone	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	
Fractional 1000 Mbps at 150 Mbps, 300 Mbps or 450 Mbps BellSouth Metro Ethernet Backbone	nO	No	Yes <sup>1</sup>					
Fractional 1000 Mbps at 600 Mbps BellSouth Metro Ethernet Backbone	No	No	No	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	Yes <sup>1</sup>	
Fibre Connection (FICON <sup>TM</sup> )	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	(N)
Fibre Connection (FICON <sup>TM</sup> ) Express	No	No	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	(N)
Fibre Channel 100	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	Yes <sup>2</sup>	(N)
Fibre Channel 200	No	No	No	No	No	Yes <sup>2</sup>	Yes <sup>2</sup>	(N)

NODEC

Note 1: Fractional 1000 Mbps BellSouth Metro Ethernet Backbone, 100 Mbps BellSouth Metro Ethernet Backbone and 1000 Mbps BellSouth Metro Ethernet Backbone interfaces are for use when SMARTRing service is utilized for transport of a customer's BellSouth Metro Ethernet service. 100 Mbps BellSouth Metro Ethernet Backbone interfaces are further defined regarding the number of STS-1s, utilized in conjunction with the interface. The 100 Mbps (3-STS-1) BellSouth Metro Ethernet Backbone interface is not available for OC-3 nodes. Interface availability is based on equipment capability.

**Note 2:** The interface is further defined regarding the number of STS-1s used to provision the interface. Interface availability is based on equipment capability.

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#### **B7. DIGITAL NETWORK SERVICE**

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

- A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)
  - 6. Customer Channel Interface (per Node)

	•	Nonrecurring Charge	Month To Month	24 to 48 Months	49 to 72 Months	73 to 96 Months	USOC	
(s)	Per Fractional 1000 Mbps							
	- 50 Mbps 850 nm Multi-mode	\$450.00	\$520.00	\$190.00	\$170.00	\$150.00	SHN10	
	- 50 Mbps 1310 nm Single-mode	450.00	520.00	190.00	170.00	150.00	SHN3O	
	- 150 Mbps 850 nm Multi-mode	450.00	560.00	230.00	210.00	190.00	SHN1P	
	- 150 Mbps 1310 nm Single-mode	450.00	560.00	230.00	210.00	190.00	SHN3P	
	- 300 Mbps 850 nm Multi-mode	450.00	600.00	300.00	280.00	260.00	SHN1R	
	- 300 Mbps 1310 nm Single-mode	450.00	600.00	300.00	280.00	260.00	SHN3R	
	- 450 Mbps 850 nm Multi-mode	450.00	640.00	340.00	310.00	290.00	SHN1U	
	- 450 Mbps 1310 nm Single-mode	450.00	640.00	340.00	310.00	290.00	SHN3U	
	- 600 Mbps 850 nm Multi-mode	450.00	700.00	380.00	340.00	320.00	SHN1V	
	- 600 Mbps 1310 nm Single-mode	450.00	700.00	380.00	340.00	320.00	SHN3V	
(t)	Per Flex DS1	360.00	45.00	34.00	27.00	25.00	SHN1Q	
(u)	Per 100 Mbps (1 STS-1) Metro Ethernet	800.00	500.00	175.00	155.00	140.00	SHN1J	
	Backbone							
(v)	Per 100 Mbps (3 STS-1) Metro Ethernet	800.00	540.00	210.00	190.00	170.00	SHN33	
	Backbone							
(w)	Per 1000 Mbps Metro Ethernet Backbone	850.00	740.00	520.00	475.00	425.00	SHN34	
(x)	Per Fractional 1000 Mbps Metro Ethernet							
	Backbone							
	- 150 Mbps (3 STS-1)	850.00	560.00	230.00	210.00	190.00	SHN35	
	- 300 Mbps (6 STS-1)	850.00	600.00	300.00	280.00	260.00	SHN36	
	- 450 Mbps (9 STS-1)	850.00	640.00	340.00	310.00	290.00	SHN37	
	- 600 Mbps (12 STS-1)	850.00	700.00	380.00	340.00	320.00	SHN38	
(y)	Per Fibre Connection (FICON TM) (21 STS-1)	500.00	810.00	570.00	520.00	470.00	SHNBC	(N)
(z)	Per Fibre Connection (FICON TM) (24c STS-1)	500.00	810.00	570.00	520.00	470.00	SHNBD	(N)
	Per Fibre Connection (FICON TM) Express (48 STS		1,280.00	1,060.00	970.00	840.00	SHNBE	(N)
(ab)	Per Fibre Connection (FICON TM) Express (48c ST	(S-1) <b>520.00</b>	1,280.00	1,060.00	970.00	840.00	SHNBF	(N)
(ac)	Per Fibre Channel 100 (21 STS-1)	500.00	830.00	580.00	530.00	480.00	SHNBG	(N)
. ,	Per Fibre Channel 100 (24c STS-1)	500.00	830.00	580.00	530.00	480.00	SHNBH	(N)
	Per Fibre Channel 200 (48 STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	SHNBJ	(N)
	Per Fibre Channel 200 (48c STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	SHNBK	(N)
()			,	,				

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#### **B7. DIGITAL NETWORK SERVICE**

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

- A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)
  - 7. Central Office Node (per Node)

	(a) (b) (c) (d) (e) (f) (g) (h) (i)	OC- OC- OC- OC- OC- OC-	3 capacity 3+ capacity 12 capacity 48 capacity 48+ capacity 192 capacity 192+ capacity 3 Shared Node Interconnection 12 Shared Node Interconnection	Nonrecurring Charge \$370.00 370.00 375.00 375.00 375.00 540.00 550.00	Month To Month \$1,400.00 2,250.00 2,680.00 4,860.00 5,490.00 25,000.00 980.00 1,820.00	24 to 48 Months \$990.00 1,845.00 1,980.00 4,110.00 9,375.00 690.00 1,390.00	49 to 72 Months \$900.00 1,575.00 1,800.00 4,050.00 4,050.00 8,250.00 630.00 1,260.00	73 to 96 Months \$810.00 1,350.00 1,575.00 3,510.00 7,300.00 7,300.00 570.00 1,100.00	USOC SHNH3 SHNH5 SHNH1 SHNH8 SHNH9 SHNH7 SHNH6 SHNHA SHNHB
	(j)	OC-	48 Shared Node Interconnection	550.00	3,400.00	2,880.00	2,840.00	2,460.00	SHNHC
8.	(k) Central C		48+ Shared Node Interconnection Channel Interface (per Central Offic	<b>550.00</b> e Node)	3,840.00	2,880.00	2,840.00	2,460.00	SHNHD
		(a)	Per DS1	125.00	40.00	35.00	30.00	25.00	SHNCB
		(b)	Per DS3	185.00	115.00	85.00	80.00	75.00	SHNYT
		(c)	Per STS-1	215.00	150.00	105.00	100.00	90.00	SHNO2
		(d)	Per OC-3, 2 fiber	340.00	255.00	190.00	170.00	160.00	SHNCD
		(e)	Per OC-3, 4 fiber	340.00	515.00	380.00	340.00	320.00	SHNO4
		(f)	Per OC-12, 2 fiber	540.00	745.00	515.00	475.00	440.00	SHNCF
		(g)	Per OC-12, 4 fiber	540.00	1,490.00	1,030.00	950.00	880.00	SHNC9
		(h)	Per OC-48, 2 fiber	650.00	1,600.00	1,325.00	1,215.00	1,050.00	SHNCJ
		(i)	Per OC-48, 4 fiber	650.00	3,200.00	2,650.00	2,430.00	2,100.00	SHNCK
		(j)	Per 28 DS1 Channel System (DS3)		700.00	600.00	550.00	525.00	SHNW8
		(k)	Per 28 DS1 Channel System (STS-		750.00	550.00	500.00	450.00	SHNCS
		(1)	Per DS1 on 28 DS1 Channel System (DS3)		18.00	12.00	9.00	8.00	SHNCA
		(m)	Per DS1 on 28 DS1 Channel System (STS-1)	m 155.00	40.00	35.00	30.00	25.00	SHNCG
		(n)	Per DS1 within an STS-1 Asymmetrical Arrangement	360.00	25.00	22.00	20.00	18.00	SHNCH
		(o)	Per DS3 (Asymmetrical with DS1)	400.00	550.00	450.00	400.00	350.00	SHNCT
		(p)	Per 1000 Mbps (21 STS-1)	400.00	740.00	520.00	475.00	425.00	SHNCW
		(q)	Per 1000 Mbps (24 STS-1)	400.00	740.00	520.00	475.00	425.00	SHNDW
		(r)	Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHNCM
		(s)	Per 100 Mbps (3 STS-1)	450.00	540.00	210.00	190.00	170.00	SHNCN

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### **B7. DIGITAL NETWORK SERVICE**

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

- A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)
  - 8. Central Office Channel Interface (per Node)

			Month	24 to	49 to	73 to		
		Nonrecurring	To	48	72	96		
		Charge	Month	Months	Months	Months	USOC	
(t)	Per Fractional 1000 Mbps							
	- 50 Mbps	\$450.00	\$520.00	\$190.00	\$170.00	\$150.00	SHNCO	
	- 150 Mbps	450.00	560.00	230.00	210.00	190.00	SHNCP	
	- 300 Mbps	450.00	600.00	300.00	280.00	260.00	SHNCR	
	- 450 Mbps	450.00	640.00	340.00	310.00	290.00	SHNCU	
	- 600 Mbps	450.00	700.00	380.00	340.00	320.00	SHNCV	
(u)	Per Flex DS1	250.00	40.00	30.00	25.00	20.00	SHNCQ	
(v)	Per 100 Mbps (1 STS-1) Metro	800.00	500.00	175.00	155.00	140.00	SHNOJ	
	Ethernet Backbone							
(w)	Per 100 Mbps (3 STS-1) Metro	800.00	540.00	210.00	190.00	170.00	SHNCX	
	Ethernet Backbone							
(x)	Per 1000 Mbps Metro Ethernet	850.00	740.00	520.00	475.00	425.00	SHNC5	
	Backbone							
(y)	Per Fractional 1000 Mbps Metro							
	Ethernet Backbone							
	- 150 Mbps (3 STS-1)	850.00	560.00	230.00	210.00	190.00	SHND5	
	- 300 Mbps (6 STS-1)	850.00	600.00	300.00	280.00	260.00	SHND6	
	- 450 Mbps (9 STS-1)	850.00	640.00	340.00	310.00	290.00	SHND7	
	- 600 Mbps (12 STS-1)	850.00	700.00	380.00	340.00	320.00	SHND8	
(z)	Per Fibre Connection (FICON TM)	500.00	810.00	570.00	520.00	470.00	SHNDB	(N)
	(21 STS-1)							
(aa)	Per Fibre Connection (FICON TM)	500.00	810.00	570.00	520.00	470.00	SHNDC	(N)
	(24c STS-1)							
(ab)	Per Fibre Connection (FICON TM)	520.00	1,280.00	1,060.00	970.00	840.00	SHNDD	(N)
	Express (48 STS-1)							
(ac)	Per Fibre Connection (FICON TM)	520.00	1,280.00	1,060.00	970.00	840.00	SHNDE	(N)
	Express (48c STS-1)							
(ad)	· · · · · · · · · · · · · · · · · · ·	500.00	830.00	580.00	530.00	480.00	SHNDF	(N)
(ae)	Per Fibre Channel 100 (24c STS-1)	500.00	830.00	580.00	530.00	480.00	SHNDG	(N)
(af)	Per Fibre Channel 200 (48 STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	SHNDH	(N)
(ag)	Per Fibre Channel 200 (48c STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	SHNDJ	(N)