

**TARIFF DISTRIBUTION**

FILE PACKAGE NO.: KY-17-0040

DATE: July 17, 2017

STATE: KENTUCKY

EFFECTIVE DATE: 07/15/2017

TYPE OF DISTRIBUTION: Approved

PURPOSE: SMARTRing Service MTM Conversion Modification

<b><u>TARIFF SECTION</u></b>	<b><u>PAGE NUMBER</u></b>	<b><u>PAGE REVISION</u></b>
H007	42	0005
H007	45	0004
H007	46	0005
H007	46.0.1	0006
H007	46.0.2	0003
H007	46.1	0005
H007	46.1.0.1	0006
H007	46.2	0004
H007	46.3	0002

## B7. DIGITAL NETWORK SERVICE

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

#### B7.7.2 Application of Rates (Cont'd)

- F. 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. The interface rates for asymmetrical arrangements are the same as the rates for symmetrical arrangements except as follows:
- For lower level DS1 interfaces in an asymmetrical arrangement with an STS-1 interface, the DS1 within an STS-1 Asymmetrical Arrangement interface rate element applies in lieu of the STS-1 interface for the higher level termination.
  - For lower level DS1 interfaces in an asymmetrical arrangement with a DS3 interface, the DS3 (Asymmetrical with DS1) interface rate element applies in lieu of the DS3 interface for the higher level termination of the asymmetrical arrangement
- G. In addition, customers with DS3 interfaces at the Customer Node electing to connect with DS1 services at a Central Office Node, must obtain a 28 DS1 Channel System, and the appropriate number of DS1 Channel Interfaces. The applicable rate elements for this arrangement are a DS3 Interface at the Customer Node and a 28 DS1 Channel System with DS1 Interfaces at the Central Office Node. The SMARTRing service 28 DS1 Channel System does not require a DS3 interface at the Central Office Node. A maximum of 28 DS1 Channel Interfaces can be activated for each 28 DS1 System utilized. Nonrecurring charges apply for each 28 DS1 Channel System. Nonrecurring charges also apply for each DS1 Channel Interface in a 28 DS1 Channel System. The recurring rate applies for each 28 DS1 Channel System and each DS1 Channel Interface in a 28 DS1 Channel System.
- H. In order to accommodate more flexible customer situations, SMARTRing service is available under several payment plans<sup>1</sup>: 36 Month Term Payment Plan (24-48 months), 60 Month Term Payment Plan (49-72 months), or 84 Month Term Payment Plan (73-96 months). The 36, 60, and 84 Month Term Payment Plans are provided under conditions specified in the Channel Services Payment Plan, (CSPP), B2.4.9, except as modified following. For all payment plans, the following terms and conditions apply:
1. All rate elements, except Channel Interfaces for a given SMARTRing service, whether initially or subsequently ordered, must be provided under the same payment plan with the same service period and are coterminous upon disconnect of the SMARTRing service. Channel Interfaces may be ordered under payment plans equal to or less than the selected payment period for the given SMARTRing service.
  2. The rates applicable to a month-to-month payment plan are subject to Company initiated changes.
  3. A termination liability charge will be applicable if services provided under a CSPP arrangement are disconnected prior to the end of the chosen service period. The applicable charge is equal to the number of months remaining in the rate stabilized service period times fifty percent (50%) of the monthly rates for SMARTRing service which include all Nodes, Local Channels, Alternate Central Office Channels, Internodal Channels and/or Interoffice Channels provided under the CSPP arrangement. For services under the month-to-month payment plan, a termination charge is equal to the number of months remaining in the twelve month minimum times the month-to-month rates in effect for SMARTRing service at the time of termination.
  4. When a service period under an existing CSPP arrangement is completed and a customer elects to revert to a month-to-month payment option, no minimum period is applicable. If the customer does not select a new payment period or does not request discontinuance of service, service will be continued under the terms specified in B2.4.
  5. Additions of services or rate elements, for activating spare or unused capacities of a SMARTRing service under a CSPP arrangement, must be activated at the same rates and charges specified under the existing CSPP arrangement. Channel interfaces may be ordered as specified in paragraph 1.
  6. Additions of services or rate elements, i.e. new local channels, interoffice channels, etc., other than for activating spare or unused capacities, must be under a new CSPP arrangement at rates and charges as specified in paragraph 1. The new CSPP arrangement must be at least 24 months and must be coterminous with the CSPP arrangement for the existing SMARTRing service.
  7. (DELETED)

**Note 1:** All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates. *Notwithstanding anything to the contrary in the previous two sentences, this footnote does not apply to any term plans established after July 15, 2017.*

(C)

**B7. DIGITAL NETWORK SERVICE****B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)****B7.7.4 Rates and Charges****A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service)**

	Nonrecurring Charge	Month to Month	24 to 48 <sup>1</sup> Months	49 to 72 <sup>1</sup> Months	73 to 96 <sup>1</sup> Months	USOC
1. Local Channel Mileage Rates (All Capacities)						
(a) Per Local Channel	\$500.00	-	-	-	-	1HVXX
(b) Per quarter air mile	-	\$ 95.00	\$ 83.00	\$73.00	\$68.00	1HVAX
2. Alternate Central Office Channel Mileage Rates (All Capacities)						
(a) Alternate C.O. Channel, per channel	500.00	-	-	-	-	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	195.00	50.00	36.00	32.00	27.00	1HXFX
(b) Fixed, OC-12 capacity	195.00	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) (DELETED)						
(f) Fixed, OC-48 and (OC-48+ capacity)	195.00	340.00	270.00	260.00	250.00	1HXFX
(g) Fixed, OC-192 and OC-192+ capacity	240.00	770.00	635.00	610.00	590.00	1HXFX
(h) (DELETED)						
(i) Per quarter air mile (OC-48 and 48+ capacity)	-	50.00	36.00	30.00	23.00	1HXAX
(j) Per quarter air mile (OC-192 and OC192+ capacity)	-	50.00	36.00	30.00	23.00	1HXAX
4. Internodal Channel Mileage Rates						
(a) Per Internodal Channel, Same Wire Center area	500.00	-	-	-	-	1HNXX
(b) Per quarter air mile, Same Wire Center	-	1,400.00	535.00	415.00	345.00	1HNWX
(c) Per Internodal Channel, Same Office Park/Campus Environment in Contiguous Serving Wire Center areas	500.00	-	-	-	-	1HNZX
(d) Per quarter air mile, same Office Park/Campus Environment in contiguous Serving Wire Center areas	-	1,600.00	650.00	465.00	390.00	1HNCX
5. Customer Node (per Node)						
(a) OC-3 capacity	435.00	2,200.00	990.00	900.00	810.00	SHNC3
(b) (DELETED)						
(c) OC-12 capacity	465.00	3,400.00	1,980.00	1,800.00	1,575.00	SHNC1
(d) OC-48 capacity	465.00	5,220.00	4,410.00	4,050.00	3,510.00	SHNN8
(e) OC-48+ capacity	465.00	5,850.00	4,410.00	4,050.00	3,510.00	SHNN9
(f) OC-192 capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNN6
(g) OC-192+ capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNN2

**Note 1:** All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates. *Notwithstanding anything to the contrary in the previous two sentences, this footnote does not apply to any term plans established after July 15, 2017.*

(C)

**B7. DIGITAL NETWORK SERVICE**

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

**B7.7.4 Rates and Charges (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 <sup>1</sup> Months	49 to 72 <sup>1</sup> Months	73 to 96 <sup>1</sup> Months	USOC
(a) Per DS1	\$ 165.00	\$ 35.00	\$ 30.00	\$ 25.00	\$ 20.00	SHNBB
(b) Per DS3	130.00	170.00	135.00	130.00	125.00	SHNZT
(c) Per STS-1	190.00	220.00	170.00	150.00	140.00	SHN13
(d) Per OC-3, 2 fiber	190.00	255.00	190.00	170.00	160.00	SHN1D
(e) Per OC-3, 4 fiber	190.00	515.00	380.00	340.00	320.00	SHN15
(f) Per OC-12, 2 fiber	340.00	745.00	515.00	475.00	440.00	SHN1F
(g) Per OC-12, 4 fiber	340.00	1,490.00	1,030.00	950.00	880.00	SHN19
(h) Per OC-48, 2 fiber	420.00	1,600.00	1,325.00	1,215.00	1,050.00	SHN1A
(i) Per OC-48, 4 fiber	420.00	3,200.00	2,650.00	2,430.00	2,100.00	SHN1B
(j) Per OC-192, 2 fiber	1,600.00	7,500.00	4,800.00	3,300.00	2,850.00	SHNE1
(k) Per OC-192, 4 fiber	1,600.00	15,000.00	9,600.00	6,600.00	5,700.00	SHNE2
(l) Per DS1 within an STS-1 Asymmetrical Arrangement	330.00	25.00	22.00	20.00	18.00	SHNBS
(m) Per DS3 (Asymmetrical with DS1)	360.00	550.00	450.00	400.00	350.00	SHN1T
(n) Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHN1M
(o) Per 100 Mbps (3 STS-1) - Electrical	450.00	540.00	210.00	190.00	170.00	SHN1N
(p) Per 100 Mbps (3 STS-1) – Optical 1310 nm Single-mode	450.00	540.00	210.00	190.00	170.00	SHN3N

**Note 1:** All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates. *Notwithstanding anything to the contrary in the previous two sentences, this footnote does not apply to any term plans established after July 15, 2017.* (C)

**B7. DIGITAL NETWORK SERVICE****B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)****B7.7.4 Rates and Charges (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 <sup>1</sup> Months	49 to 72 <sup>1</sup> Months	73 to 96 <sup>1</sup> Months	USOC
(q) Per Fractional 1000 Mbps						
- 50 Mbps 850 nm Multi-mode – 1 STS-1	\$450.00	\$ 520.00	\$ 190.00	\$ 170.00	\$ 150.00	SHN1O
- 50 Mbps 1310 nm Single-mode – 1 STS-1	450.00	520.00	190.00	170.00	150.00	SHN3O
- 150 Mbps 850 nm Multi-mode – 3c STS-1	450.00	560.00	230.00	210.00	190.00	SHN1P
- 150 Mbps 1310 nm Single-mode – 3c STS-1	450.00	560.00	230.00	210.00	190.00	SHN3P
- 150 Mbps 850 nm Multi-mode – 3 STS-1	450.00	560.00	230.00	210.00	190.00	SHN3J
- 150 Mbps 1310 nm Single-mode – 3 STS-1	450.00	560.00	230.00	210.00	190.00	SHN3L
- 300 Mbps 850 nm Multi-mode – 6c STS-1	450.00	600.00	300.00	280.00	260.00	SHN1R
- 300 Mbps 1310 nm Single-mode – 6c STS-1	450.00	600.00	300.00	280.00	260.00	SHN3R
- 300 Mbps 850 nm Multi-mode – 6 STS-1	450.00	600.00	300.00	280.00	260.00	SHN3M
- 300 Mbps 1310 nm Single-mode – 6 STS-1	450.00	600.00	300.00	280.00	260.00	SHN3Q
- 450 Mbps 850 nm Multi-mode – 9c STS-1	450.00	640.00	340.00	310.00	290.00	SHN1U
- 450 Mbps 1310 nm Single-mode – 9c STS-1	450.00	640.00	340.00	310.00	290.00	SHN3U
- 450 Mbps 850 nm Multi-mode – 9 STS-1	450.00	640.00	340.00	310.00	290.00	SHN3T
- 450 Mbps 1310 nm Single-mode – 9 STS-1	450.00	640.00	340.00	310.00	290.00	SHN39
- 600 Mbps 850 nm Multi-mode – 12c STS-1	450.00	700.00	380.00	340.00	320.00	SHN1V
- 600 Mbps 1310 nm Single-mode – 12c STS-1	450.00	700.00	380.00	340.00	320.00	SHN3V
- 600 Mbps 850 nm Multi-mode – 12 STS-1	450.00	700.00	380.00	340.00	320.00	SHNBY
- 600 Mbps 1310 nm Single-mode – 12 STS-1	450.00	700.00	380.00	340.00	320.00	SHNBZ
- 1000 Mbps 850 nm Multi-mode – 21 STS-1	400.00	740.00	520.00	475.00	425.00	SHN1K
- 1000 Mbps 1310 nm Single-mode – 21 STS-1	400.00	740.00	520.00	475.00	425.00	SHN3K
- 1000 Mbps 850 nm Multi-mode – 24c STS-1	400.00	740.00	520.00	475.00	425.00	SHN3G
- 1000 Mbps 1310 nm Single-mode – 24c STS-1	400.00	740.00	520.00	475.00	425.00	SHN3H
(r) Per Flex DS1	360.00	45.00	34.00	27.00	25.00	SHN1Q
(s) Per 100 Mbps (1 STS-1) Metro Ethernet Backbone	800.00	500.00	175.00	155.00	140.00	SHN1J
(t) Per 100 Mbps (3 STS-1) Metro Ethernet Backbone	800.00	540.00	210.00	190.00	170.00	SHN33
(u) Per 1000 Mbps Metro Ethernet Backbone	850.00	740.00	520.00	475.00	425.00	SHN34
(v) 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
(w) Per Fibre Connection (FICON) (21 STS-1)	500.00	810.00	570.00	520.00	470.00	SHNBC
(x) Per Fibre Connection (FICON) (24c STS-1)	500.00	810.00	570.00	520.00	470.00	SHNBD
(y) Per Fibre Connection (FICON) Express (48 STS-1)	520.00	1,280.00	1,060.00	970.00	840.00	SHNBE
(z) Per Fibre Connection (FICON) Express (48c STS-1)	520.00	1,280.00	1,060.00	970.00	840.00	SHNBF
(aa) Per Fibre Channel 100 (21 STS-1)	500.00	830.00	580.00	530.00	480.00	SHNBG
(ab) Per Fibre Channel 100 (24c STS-1)	500.00	830.00	580.00	530.00	480.00	SHNBH
(ac) Per Fibre Channel 200 (48 STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	SHNBK
(ad) Per Fibre Channel 200 (48c STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	SHNBK

**Note 1:** All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates. *Notwithstanding anything to the contrary in the previous two sentences, this footnote does not apply to any term plans established after July 15, 2017.*

(C)

**B7. DIGITAL NETWORK SERVICE**

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

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

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

7. Central Office Node (per Node)

	Nonrecurring Charge	Month to Month	24 to 48 <sup>1</sup> Months	49 to 72 <sup>1</sup> Months	73 to 96 <sup>1</sup> Months	USOC
(a) OC-3 capacity	\$405.00	\$ 1,400.00	\$ 990.00	\$ 900.00	\$ 810.00	SHNH3
(b) (DELETED)						
(c) OC-12 capacity	455.00	2,600.00	1,980.00	1,800.00	1,575.00	SHNH1
(d) OC-48 capacity	455.00	4,860.00	4,110.00	4,050.00	3,510.00	SHNH8
(e) OC-48+ capacity	455.00	5,490.00	4,110.00	4,050.00	3,510.00	SHNH9
(f) OC-192 capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNH7
(g) OC-192+ capacity	540.00	25,000.00	9,375.00	8,250.00	7,300.00	SHNH6
(h) OC-3 Shared Node Interconnection	550.00	980.00	690.00	630.00	570.00	SHNHA
(i) OC-12 Shared Node Interconnection	550.00	1,820.00	1,390.00	1,260.00	1,100.00	SHNHB
(j) OC-48 Shared Node Interconnection	550.00	3,400.00	2,880.00	2,840.00	2,460.00	SHNHC
(k) OC-48+ Shared Node Interconnection	550.00	3,840.00	2,880.00	2,840.00	2,460.00	SHNHD

**Note 1:** All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates. *Notwithstanding anything to the contrary in the previous two sentences, this footnote does not apply to any term plans established after July 15, 2017.* (C)

**B7. DIGITAL NETWORK SERVICE**

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

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

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

8. Central Office Channel Interface (per Central Office Node)

	Nonrecurring Charge	Month to Month	24 to 48 <sup>1</sup> Months	49 to 72 <sup>1</sup> Months	73 to 96 <sup>1</sup> Months	USOC
(a) Per DS1	\$ 120.00	\$ 35.00	\$ 30.00	\$ 25.00	\$ 20.00	SHNCB
(b) Per DS3	185.00	115.00	85.00	80.00	75.00	SHNYT
(c) Per STS-1	190.00	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	535.00	745.00	515.00	475.00	440.00	SHNCF
(g) Per OC-12, 4 fiber	535.00	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 OC-192, 2 fiber	1,600.00	7,500.00	4,800.00	3,300.00	2,850.00	SHNE3
(k) Per OC-192, 4 fiber	1,600.00	15,000.00	9,600.00	6,600.00	5,700.00	SHNE4
(l) Per 28 DS1 Channel System (DS3)	185.00	650.00	550.00	500.00	450.00	SHNW8
(m) Per 28 DS1 Channel System (STS-1)	195.00	750.00	550.00	500.00	450.00	SHNCS
(n) Per DS1 on 28 DS1 Channel System (DS3)	155.00	12.00	8.00	7.00	6.00	SHNCA
(o) Per DS1 on 28 DS1 Channel System (STS-1)	155.00	40.00	35.00	30.00	25.00	SHNCG
(p) Per DS1 within an STS-1 Asymmetrical Arrangement	360.00	25.00	22.00	20.00	18.00	SHNCH
(q) Per DS3 (Asymmetrical with DS1)	400.00	550.00	450.00	400.00	350.00	SHNCT
(r) Per 10 Mbps	450.00	500.00	175.00	155.00	140.00	SHNCM
(s) Per 100 Mbps (3 STS-1) - Electrical	450.00	540.00	210.00	190.00	170.00	SHNCN
(t) Per 100 Mbps (3 STS-1) - Optical	550.00	540.00	210.00	190.00	170.00	SHNDU

**Note 1:** All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates. *Notwithstanding anything to the contrary in the previous two sentences, this footnote does not apply to any term plans established after July 15, 2017.*

(C)

**B7. DIGITAL NETWORK SERVICE****B7.7 Self-Healing Multi-Nodal Alternate Route Topology Ring (SMARTRing) Service (Cont'd)****B7.7.4 Rates and Charges (Cont'd)****A. Self-healing Multi-nodal Alternate Route Topology Ring (SMARTRing Service) (Cont'd)****8. Central Office Channel Interface (per Node) (Cont'd)**

	Nonrecurring Charge	Month to Month	24 to 48 <sup>1</sup> Months	49 to 72 <sup>1</sup> Months	73 to 96 <sup>1</sup> Months	USOC	(C)
(u) Per Fractional 1000 Mbps							
- 50 Mbps – 1 STS-1	\$450.00	\$520.00	\$ 190.00	\$ 170.00	\$ 150.00	SHNCO	
- 150 Mbps – 3c STS-1	450.00	560.00	230.00	210.00	190.00	SHNCP	
- 150 Mbps – 3 STS-1	450.00	560.00	230.00	210.00	190.00	SHNDV	
- 300 Mbps – 6c STS-1	450.00	600.00	300.00	280.00	260.00	SHNCR	
- 300 Mbps – 6 STS-1	450.00	600.00	300.00	280.00	260.00	SHNDX	
- 450 Mbps – 9c STS-1	450.00	640.00	340.00	310.00	290.00	SHNCU	
- 450 Mbps – 9 STS-1	450.00	640.00	340.00	310.00	290.00	SHNDY	
- 600 Mbps – 12c STS-1	450.00	700.00	380.00	340.00	320.00	SHNCV	
- 600 Mbps – 12 STS-1	450.00	700.00	380.00	340.00	320.00	SHNDZ	
- 1000 Mbps – 21 STS-1	400.00	740.00	520.00	475.00	425.00	SHNCW	
- 1000 Mbps – 24c STS-1	400.00	740.00	520.00	475.00	425.00	SHNDW	
(v) Per Flex DS1	250.00	40.00	30.00	25.00	20.00	SHNCQ	
(w) Per 100 Mbps (1 STS-1) Metro Ethernet Backbone	800.00	500.00	175.00	155.00	140.00	SHNOJ	
(x) Per 100 Mbps (3 STS-1) Metro Ethernet Backbone	800.00	540.00	210.00	190.00	170.00	SHNCX	
(y) Per 1000 Mbps Metro Ethernet Backbone	850.00	740.00	520.00	475.00	425.00	SHNC5	
(z) 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	
(aa) Per Fibre Connection (FICON) (21 STS-1)	500.00	810.00	570.00	520.00	470.00	SHNDB	
(ab) Per Fibre Connection (FICON) (24c STS-1)	500.00	810.00	570.00	520.00	470.00	SHNDC	
(ac) Per Fibre Connection (FICON) Express (48 STS-1)	520.00	1,280.00	1,060.00	970.00	840.00	SHNDD	
(ad) Per Fibre Connection (FICON) Express (48c STS-1)	520.00	1,280.00	1,060.00	970.00	840.00	SHNDE	
(ae) Per Fibre Channel 100 (21 STS-1)	500.00	830.00	580.00	530.00	480.00	SHNDF	
(af) Per Fibre Channel 100 (24c STS-1)	500.00	830.00	580.00	530.00	480.00	SHNDG	
(ag) Per Fibre Channel 200 (48 STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	SHNDH	
(ah) Per Fibre Channel 200 (48c STS-1)	520.00	1,360.00	1,130.00	1,030.00	890.00	SHNDJ	

**Note 1:** All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates. *Notwithstanding anything to the contrary in the previous two sentences, this footnote does not apply to any term plans established after July 15, 2017.*

(C)



**B7. DIGITAL NETWORK SERVICE**

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

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

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

9. Channel Interface Capacity Reallocation

	<b>Nonrecurring Charge</b>	<b>USOC</b>
(a) Per Node, Per occurrence	<b>\$395.00</b>	<b>SHRBC</b>
10. Concatenation Rearrangement Charge		

	<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>		<b>USOC</b>
(a) Per OC-3, OC-12 or OC-48 optical circuit rearranged as concatenated or non-concatenated subsequent to the initial installation of the circuit	-	<b>Initial</b>	<b>Subsequent</b>	<b>NRCCN</b>
11. SMARTRing Service Rearrangement				

(a) Surveillance, Per Node, per SMARTRing service	-	-	<b>255.00</b>	<b>SHNRR</b>
(b) Reconfiguration, Per STS-1 group, per Node	-	-	<b>365.00</b>	<b>SHNR1</b>

12. Basic Shared Ethernet LAN Access Link

(a) Customer Premises Access Links Link Connection

	<b>Nonrecurring Charge</b>	<b>Month to Month</b>	<b>24 to 48<sup>2</sup> Months</b>	<b>49 to 72<sup>2</sup> Months</b>	<b>73 to 96<sup>2</sup> Months</b>	<b>USOC</b>
(1) Per 10 Mbps Basic Shared Ethernet LAN Access Link - Electrical <sup>1</sup>	<b>\$2,050.00</b>	<b>\$730.00</b>	<b>\$250.00</b>	<b>\$220.00</b>	<b>\$200.00</b>	<b>SHN1G</b>
(2) Per 100 Mbps Basic Shared Ethernet LAN Access Link - Electrical <sup>1</sup>	<b>2,050.00</b>	<b>780.00</b>	<b>300.00</b>	<b>280.00</b>	<b>250.00</b>	<b>SHN1H</b>
(3) Per 100 Mbps Basic Shared Ethernet LAN Access Link – Optical 1310 nm Single-mode <sup>1</sup>	<b>2,050.00</b>	<b>780.00</b>	<b>300.00</b>	<b>280.00</b>	<b>250.00</b>	<b>SHN1I</b>
(4) Per Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link - Optical <sup>1</sup>						
- 50 Mbps 850 nm Multi-mode	<b>2,050.00</b>	<b>750.00</b>	<b>280.00</b>	<b>250.00</b>	<b>240.00</b>	<b>SHN1S</b>
- 50 Mbps 1310 nm Single-mode	<b>2,050.00</b>	<b>750.00</b>	<b>280.00</b>	<b>250.00</b>	<b>240.00</b>	<b>SHN3S</b>
- 150 Mbps 850 nm Multi-mode	<b>2,050.00</b>	<b>810.00</b>	<b>330.00</b>	<b>300.00</b>	<b>280.00</b>	<b>SHN1W</b>
- 150 Mbps 1310 nm Single-mode	<b>2,050.00</b>	<b>810.00</b>	<b>330.00</b>	<b>300.00</b>	<b>280.00</b>	<b>SHN3W</b>
- 300 Mbps 850 nm Multi-mode	<b>2,050.00</b>	<b>870.00</b>	<b>440.00</b>	<b>410.00</b>	<b>380.00</b>	<b>SHN1X</b>
- 300 Mbps 1310 nm Single-mode	<b>2,050.00</b>	<b>870.00</b>	<b>440.00</b>	<b>410.00</b>	<b>380.00</b>	<b>SHN3X</b>
- 450 Mbps 850 nm Multi-mode	<b>2,050.00</b>	<b>930.00</b>	<b>490.00</b>	<b>450.00</b>	<b>420.00</b>	<b>SHN1Y</b>
- 450 Mbps 1310 nm Single-mode	<b>2,050.00</b>	<b>930.00</b>	<b>490.00</b>	<b>450.00</b>	<b>420.00</b>	<b>SHN3Y</b>
- 600 Mbps 850 nm Multi-mode	<b>2,050.00</b>	<b>1,020.00</b>	<b>550.00</b>	<b>490.00</b>	<b>460.00</b>	<b>SHN1Z</b>
- 600 Mbps 1310 nm Single-mode	<b>2,050.00</b>	<b>1,020.00</b>	<b>550.00</b>	<b>490.00</b>	<b>460.00</b>	<b>SHN3Z</b>
- 1000 Mbps 850 nm Multi-mode	<b>2,050.00</b>	<b>1,120.00</b>	<b>650.00</b>	<b>590.00</b>	<b>560.00</b>	<b>SHNJA</b>
- 1000 Mbps 1310 nm Single-mode	<b>2,050.00</b>	<b>1,120.00</b>	<b>650.00</b>	<b>590.00</b>	<b>560.00</b>	<b>SHNKA</b>

**Note 1:** Basic Shared Ethernet LAN Access Link interfaces are available based on equipment capability and only at Customer Nodes.

**Note 2:** All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates. *Notwithstanding anything to the contrary in the previous two sentences, this footnote does not apply to any term plans established after July 15, 2017.* (C)

**B7. DIGITAL NETWORK SERVICE**

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

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

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

**12. Basic Shared Ethernet LAN Access Link (Cont'd)**

**(b) Metro Ethernet Access Link Connection**

	<b>Nonrecurring Charge</b>	<b>Month to Month</b>	<b>24 to 48<sup>1</sup> Months</b>	<b>49 to 72<sup>1</sup> Months</b>	<b>73 to 96<sup>1</sup> Months</b>	<b>USOC</b>
(1) Per Fractional 1000 Mbps Access Link						
– Metro Ethernet Customer Premises						
- 150 Mbps 850 nm Multi-mode	2,050.00	980.00	800.00	500.00	400.00	SHNMA
- 150 Mbps 1310 nm Single-mode	2,050.00	980.00	800.00	500.00	400.00	SHNSA
- 300 Mbps 850 nm Multi-mode	2,050.00	1,220.00	930.00	580.00	540.00	SHNMB
- 300 Mbps 1310 nm Single-mode	2,050.00	1,220.00	930.00	580.00	540.00	SHNSB
- 450 Mbps 850 nm Multi-mode	2,050.00	1,310.00	990.00	630.00	590.00	SHNMC
- 450 Mbps 1310 nm Single-mode	2,050.00	1,310.00	990.00	630.00	590.00	SHNSC
- 600 Mbps 850 nm Multi-mode	2,050.00	1,430.00	1,075.00	690.00	650.00	SHNMD
- 600 Mbps 1310 nm Single-mode	2,050.00	1,430.00	1,075.00	690.00	650.00	SHNSD
- 1000 Mbps 850 nm Multi-mode	2,050.00	1,570.00	1,200.00	830.00	790.00	SHNME
- 1000 Mbps 1310 nm Single-mode	2,050.00	1,570.00	1,200.00	830.00	790.00	SHNSE
(2) Per Fractional 1000 Mbps Access Link						
– Metro Ethernet Central Office						
- 150 Mbps	2,050.00	980.00	800.00	500.00	400.00	SHNOA
- 300 Mbps	2,050.00	1,220.00	930.00	580.00	540.00	SHNOB
- 450 Mbps	2,050.00	1,310.00	990.00	630.00	590.00	SHNOC
- 600 Mbps	2,050.00	1,430.00	1,075.00	690.00	650.00	SHNOD
- 1000 Mbps	2,050.00	1,570.00	1,200.00	830.00	790.00	SHNOE

**13. Virtual Packet Ring Rearrangement Charge**

	<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>		<b>USOC</b>
		<b>Initial</b>	<b>Subsequent</b>	
(a) Per service order associated with a rearrangement to increase or decrease a virtual packet ring subsequent to the initial setup of the virtual packet ring	-	-	\$500.00	SHNRP

**Note 1:** All term plans for SMARTRing Service which are established, renewed or extended after December 13, 2013, for term lengths which are scheduled to expire at any time after February 1, 2019, will instead expire on February 1, 2019. All such services provided on or after February 1, 2019 will be provided on a Month-to-Month (MTM) basis at the applicable, then current MTM rates. *Notwithstanding anything to the contrary in the previous two sentences, this footnote does not apply to any term plans established after July 15, 2017.*

(C)