

TARIFF DISTRIBUTION

FILE PACKAGE NO.: NC-23-0026

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STATE: NORTH CAROLINA

EFFECTIVE DATE: 06/15/2023

TYPE OF DISTRIBUTION: Approved

PURPOSE: Increase SONET (OC-N) MTM and 12 Month Term Rates

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B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.5 Rates and Charges

A. LightGate service Local Channel Systems

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

	Nonrecurring Charge	Month to Month	12 Months	24 to 48^{2,3} Months	49 to 72² Months	73 to 96² Months	USOC
1. LightGate 1 Basic System ¹							
(a) Per System	\$300.00	\$56,797.00	\$1,890.00	\$1,550.00	\$1,400.00	\$1,250.00	HFSC7
2. LightGate STS-1 Basic System ¹							
(a) Per System	700.00	2,430.00(I)	2,092.00(I)	\$1,550.00	\$1,400.00	\$1,250.00	HFST1
3. LightGate OC-3 Basic System ¹							
(a) Per System	700.00	4,995.00(I)	NA	3,100.00	2,800.00	2,500.00	HFSO3
(b) Per System with Optical Customer Termination	700.00	3,283.00(I)	NA	1,968.00	1,776.00	1,584.00	HFSOC
(c) Per System with Optical Serving Wire Center Termination	700.00	3,283.00(I)	NA	1,968.00	1,776.00	1,584.00	HFSOW
4. LightGate OC-12 Basic System ¹							
(a) Per System	700.00	7,425.00(I)	NA	5,100.00	4,600.00	4,150.00	HFS12
(b) Per System with Optical Customer Termination	700.00	5,184.00(I)	NA	3,504.00	3,200.00	2,880.00	HFS1C
(c) Per System with Optical Serving Wire Center Termination	700.00	5,184.00(I)	NA	3,504.00	3,200.00	2,880.00	HFS1W
5. LightGate OC-48 Basic System ¹							
(a) Per System	700.00	17,550.00(I)	NA	11,000.00	10,000.00	9,000.00	HFS48
(b) Per System with Optical Customer Termination	700.00	10,800.00(I)	NA	7,040.00	6,400.00	5,760.00	HFS4C
(c) Per System with Optical Serving Wire Center Termination	700.00	10,800.00(I)	NA	7,040.00	6,400.00	5,760.00	HFS4W
6. LightGate OC-192 Basic System ¹							
(a) Per System	700.00	35,100.00(I)	NA	20,000.00	18,000.00	16,000.00	HFST2

Note 1: Month to month rates are only available at the end of a contract rate period.

Note 2: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

Note 3: As of April 5, 2021, the 24-36 Month Contract Term for LightGate DS1 and DS3 channel interface options are no longer available for new or renewing subscribers.

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.

	Nonrecurring Charge	Month to Month	12 Months	24 to 48 ^{3,4} Months	49 to 72 ³ Months	73 to 96 ³ Months	USOC
7. Central Office Channel Interfaces							
(a) Per DS1	\$125.00	\$16.00(I)	\$10.00(I)	\$8.00	\$7.00	\$6.00	1PQE8
(b) Per DS3	125.00	2,843.00	121.00	90.00	80.00	70.00	1PQE3
(c) Per DS3 (Asymmetrical with DS1/Flex DS1)	290.00	675.00(I)	NA	390.00	365.00	350.00	1PQEG
(d) Per STS-1	125.00	236.00(I)	NA	140.00	130.00	120.00	1PQE4
(e) Per OC-3 (2 Fiber)	200.00	324.00(I)	NA	190.00	175.00	160.00	1PQE5
(f) Per OC-3 (4 Fiber)	200.00	573.00(I)	NA	330.00	300.00	270.00	1PQE6
(g) Per OC-12 (2 Fiber)	360.00	864.00(I)	NA	495.00	450.00	405.00	1PQEE
(h) Per OC-12 (4 Fiber)	400.00	1,728.00(I)	NA	990.00	900.00	810.00	1PQED
(i) Per OC-48 (2 Fiber)	500.00	2,160.00(I)	NA	1,325.00	1,215.00	1,050.00	1PQEO
(j) Per OC-48 (4 Fiber)	500.00	4,320.00(I)	NA	2,650.00	2,430.00	2,100.00	1PQEF
(k) Per 28 DS1 Channel System	125.00	810.00(I)	NA	490.00	465.00	450.00	MQ3CO
(l) Per DS1 on 28 DS1 Channel System	125.00	16.00(I)	10.00(I)	8.00	7.00	6.00	1PQEA
(m) Per STS-1 Channel System	125.00	810.00(I)	NA	490.00	465.00	450.00	1PQE7
(n) Per OC-3 Channel System	125.00	1,788.00(I)	NA	1,100.00	1,000.00	900.00	1PQE9
(o) Per OC-12 Channel System	125.00	3,577.00(I)	NA	2,200.00	2,000.00	1,800.00	1PQ12
(p) Per OC-48 Channel System	125.00	7,411.00(I)	NA	4,410.00	4,050.00	3,510.00	1PQ48
(q) Per 10 Mbps ¹	450.00	675.00(I)	NA	175.00	155.00	140.00	1PQEH
(r) Per 100 Mbps (3 STS-1) – Electrical ¹	450.00	729.00(I)	NA	210.00	190.00	170.00	1PQEJ
(s) Per 100 Mbps (3 STS-1) – Optical	450.00	729.00(I)	NA	210.00	190.00	170.00	1PQDJ
(y) Per Fractional 1000 Mbps ¹							
- 50 Mbps – 1 STS-1	450.00	702.00(I)	NA	190.00	170.00	150.00	1PQEM
- 150 Mbps – 3c STS-1	450.00	756.00(I)	NA	230.00	210.00	190.00	1PQEN
- 150 Mbps – 3 STS-1	450.00	756.00(I)	NA	230.00	210.00	190.00	1PQDN
- 300 Mbps – 6c STS-1	450.00	810.00(I)	NA	300.00	280.00	260.00	1PQER
- 300 Mbps – 6 STS-1	450.00	810.00(I)	NA	300.00	280.00	260.00	1PQDR
- 450 Mbps – 9c STS-1	450.00	864.00(I)	NA	340.00	310.00	290.00	1PQES
- 450 Mbps – 9 STS-1	450.00	864.00(I)	NA	340.00	310.00	290.00	1PQDS
- 600 Mbps – 12c STS-1	450.00	945.00(I)	NA	380.00	340.00	320.00	1PQET
- 600 Mbps – 12 STS-1	450.00	945.00(I)	NA	380.00	340.00	320.00	1PQDT
- 1000 Mbps – 21 STS-1 ²	400.00	999.00(I)	NA	520.00	475.00	425.00	1PQEK
- 1000 Mbps – 24c STS-1 ²	400.00	999.00(I)	NA	520.00	475.00	425.00	1PQEW
(u) Per Flex DS1	130.00	16.00(I)	NA	8.00	7.00	6.00	1PQEQ

Note 1: Available only for systems installed on or after December 2, 2004, that do not contain an Optical Customer Termination or an 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.

Note 2: Available only for systems installed on or after October 20, 2003, that do not contain an Optical Customer Termination or an Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 3: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

Note 4: As of April 5, 2021, the 24-36 Month Contract Term for LightGate DS1 and DS3 channel interface options are no longer available for new or renewing subscribers.

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)

	Nonrecurring Charge	Month to Month	12 Months	24 to 48 ¹ Months	49 to 72 ¹ Months	73 to 96 ¹ Months	USOC
(v) Per 100 Mbps (1 STS-1) Metro Ethernet Backbone	\$800.00	\$675.00(I)	NA	\$175.00	\$155.00	\$140.00	1PQEU
(w) Per 100 Mbps (3 STS-1) Metro Ethernet Backbone	800.00	729.00(I)	NA	210.00	190.00	170.00	1PQEY
(x) Per 1000 Mbps Metro Ethernet Backbone	850.00	999.00(I)	NA	520.00	475.00	425.00	1PQEZ
(y) Per Fractional 1000 Mbps Metro Ethernet Backbone							
- 150 Mbps (3 STS-1)	850.00	756.00(I)	NA	230.00	210.00	190.00	1PQD5
- 300 Mbps (6 STS-1)	850.00	810.00(I)	NA	300.00	280.00	260.00	1PQD6
- 450 Mbps (9 STS-1)	850.00	864.00(I)	NA	340.00	310.00	290.00	1PQD7
- 600 Mbps (12 STS-1)	850.00	945.00(I)	NA	380.00	340.00	320.00	1PQD8
(z) Per Fibre Connection (FICON™) (21 STS-1)	500.00	1,093.00(I)	NA	570.00	520.00	470.00	1PQGA
(aa) Per Fibre Connection (FICON™) (24c STS-1)	500.00	1,093.00(I)	NA	570.00	520.00	470.00	1PQGB
(ab) Per Fibre Connection (FICON™) Express (48 STS-1)	520.00	1,728.00(I)	NA	1,060.00	970.00	840.00	1PQGC
(ac) Per Fibre Connection (FICON™) Express (48c STS-1)	520.00	1,728.00(I)	NA	1,060.00	970.00	840.00	1PQGD
(ad) Per Fibre Channel 100 (21 STS-1)	500.00	1,120.00(I)	NA	580.00	530.00	480.00	1PQGE
(ae) Per Fibre Channel 100 (24c STS-1)	500.00	1,120.00(I)	NA	580.00	530.00	480.00	1PQGF
(af) Per Fibre Channel 200 (48 STS-1)	520.00	1,836.00(I)	NA	1,130.00	1,030.00	890.00	1PQGG
(ag) Per Fibre Channel 200 (48c STS-1)	520.00	1,836.00(I)	NA	1,130.00	1,030.00	890.00	1PQGH

Note 1: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

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

	Nonrecurring Charge	Month to Month	12 Months	24 to 48 ^{3,4} Months	49 to 72 ³ Months	73 to 96 ³ Months	USOC
(a) Per DS1	\$170.00	\$22.00(I)	\$17.00(I)	\$13.00	\$11.50	\$10.00	1PQF1
(b) Per DS3	125.00	2,843.00	121.00	90.00	80.00	70.00	1PQF3
(c) Per DS3 (Asymmetrical with DS1/Flex DS1)	280.00	675.00(I)	NA	390.00	365.00	350.00	1PQF6
(d) Per STS-1	125.00	324.00(I)	NA	195.00	185.00	175.00	1PQF4
(e) Per OC-3 (2 Fiber)	125.00	324.00(I)	NA	190.00	175.00	160.00	1PQF5
(f) Per OC-3 (4 Fiber)	125.00	641.00(I)	NA	380.00	350.00	320.00	1PQF6
(g) Per OC-12 (2 Fiber)	275.00	965.00(I)	NA	570.00	525.00	480.00	1PQF8
(h) Per OC-12 (4 Fiber)	275.00	1,930.00(I)	NA	1,140.00	1,050.00	960.00	1PQF7
(i) Per OC-48 (2 Fiber)	300.00	2,160.00(I)	NA	1,325.00	1,215.00	1,050.00	1PQF2
(j) Per OC-48 (4 Fiber)	300.00	4,320.00(I)	NA	2,650.00	2,430.00	2,100.00	1PQFO
(k) Per 10 Mbps ¹	450.00	675.00(I)	NA	175.00	155.00	140.00	1PQFH
(l) Per 100 Mbps (3 STS-1) – Electrical ¹	450.00	729.00(I)	NA	210.00	190.00	170.00	1PQFJ
(m) Per 100 Mbps (3 STS-1) – 1310 nm Single-mode ¹	450.00	729.00(I)	NA	210.00	190.00	170.00	1PQ3J
(n) Per Fractional 1000 Mbps ¹							
- 50 Mbps 850 nm Multi-mode – 1 STS-1	450.00	702.00(I)	NA	190.00	170.00	150.00	1PQFM
- 50 Mbps 1310 nm Single-mode – 1 STS-1	450.00	702.00(I)	NA	190.00	170.00	150.00	1PQ3M
- 150 Mbps 850 nm Multi-mode – 3c STS-1	450.00	756.00(I)	NA	230.00	210.00	190.00	1PQFN
- 150 Mbps 1310 nm Single-mode – 3c STS-1	450.00	756.00(I)	NA	230.00	210.00	190.00	1PQ3N
- 150 Mbps 850 nm Multi-mode – 3 STS-1	450.00	756.00(I)	NA	230.00	210.00	190.00	1PQJN
- 150 Mbps 1310 nm Single-mode – 3 STS-1	450.00	756.00(I)	NA	230.00	210.00	190.00	1PQKN
- 300 Mbps 850 nm Multi-mode – 6c STS-1	450.00	810.00(I)	NA	300.00	280.00	260.00	1PQFR
- 300 Mbps 1310 nm Single-mode – 6c STS-1	450.00	810.00(I)	NA	300.00	280.00	260.00	1PQ3R
- 300 Mbps 850 nm Multi-mode – 6 STS-1	450.00	810.00(I)	NA	300.00	280.00	260.00	1PQJR
- 300 Mbps 1310 nm Single-mode – 6 STS-1	450.00	810.00(I)	NA	300.00	280.00	260.00	1PQKR
- 450 Mbps 850 nm Multi-mode – 9c STS-1	450.00	864.00(I)	NA	340.00	310.00	290.00	1PQFS
- 450 Mbps 1310 nm Single-mode – 9c STS-1	450.00	864.00(I)	NA	340.00	310.00	290.00	1PQ3S
- 450 Mbps 850 nm Multi-mode – 9 STS-1	450.00	864.00(I)	NA	340.00	310.00	290.00	1PQJS
- 450 Mbps 1310 nm Single-mode – 9 STS-1	450.00	864.00(I)	NA	340.00	310.00	290.00	1PQKS
- 600 Mbps 850 nm Multi-mode – 12c STS-1	450.00	945.00(I)	NA	380.00	340.00	320.00	1PQFT
- 600 Mbps 1310 nm Single-mode – 12c STS-1	450.00	945.00(I)	NA	380.00	340.00	320.00	1PQ3T
- 600 Mbps 850 nm Multi-mode – 12 STS-1	450.00	945.00(I)	NA	380.00	340.00	320.00	1PQJT
- 600 Mbps 1310 nm Single-mode – 12 STS-1	450.00	945.00(I)	NA	380.00	340.00	320.00	1PQKT
- 1000 Mbps 850 nm Multi-mode – 21 STS-1 ²	400.00	999.00(I)	NA	520.00	475.00	425.00	1PQFK
- 1000 Mbps 1310 nm Single-mode – 21 STS-1 ²	400.00	999.00(I)	NA	520.00	475.00	425.00	1PQ3K
- 1000 Mbps 850 nm Multi-mode – 24c STS-1 ²	400.00	999.00(I)	NA	520.00	475.00	425.00	1PQFP
- 1000 Mbps 1310 nm Single-mode – 24c STS-1 ²	400.00	999.00(I)	NA	520.00	475.00	425.00	1PQ3P
(o) Per Flex DS1	260.00	22.00(I)	NA	13.00	11.50	10.00	1PQFQ

Note 1: Available only for systems installed on or after December 2, 2004, that do not contain an Optical Customer Termination or an 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.

Note 2: Available only for systems installed on or after October 20, 2003, that do not contain an Optical Customer Termination or an Optical Serving Wire Center Termination. 1000 Mbps transport channel interfaces do not contain any monitoring capability above the physical layer.

Note 3: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

Note 4: As of April 5, 2021, the 24-36 Month Contract Term for LightGate DS1 and DS3 channel interface options are no longer available for new or renewing subscribers.

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)

	Nonrecurring Charge	Month to Month	12 Months	24 to 48 ¹ Months	49 to 72 ¹ Months	73 to 96 ¹ Months	USOC
(p) Per 100 Mbps (1 STS-1) Metro Ethernet Backbone	\$800.00	\$ 675.00(I)	NA	\$ 175.00	\$ 155.00	\$ 140.00	1PQFU
(q) Per 100 Mbps (3 STS-1) Metro Ethernet Backbone	800.00	729.00(I)	NA	210.00	190.00	170.00	1PQFY
(r) Per 1000 Mbps Metro Ethernet Backbone	400.00	999.00(I)	NA	520.00	475.00	425.00	1PQFZ
(s) Per Fractional 1000 Mbps Metro Ethernet Backbone							
- 150 Mbps (3 STS-1)	850.00	756.00(I)	NA	230.00	210.00	190.00	1PQ35
- 300 Mbps (6 STS-1)	850.00	810.00(I)	NA	300.00	280.00	260.00	1PQ36
- 450 Mbps (9 STS-1)	850.00	864.00(I)	NA	340.00	310.00	290.00	1PQ37
- 600 Mbps (12 STS-1)	850.00	945.00(I)	NA	380.00	340.00	320.00	1PQ38
(t) Per Fibre Connection (FICON™) (21 STS-1)	500.00	1,093.00(I)	NA	570.00	520.00	470.00	1PQFA
(u) Per Fibre Connection (FICON™) (24c STS-1)	500.00	1,093.00(I)	NA	570.00	520.00	470.00	1PQFC
(v) Per Fibre Connection (FICON™) Express (48 STS-1)	520.00	1,728.00(I)	NA	1,060.00	970.00	840.00	1PQFD
(w) Per Fibre Connection (FICON™) Express (48c STS-1)	520.00	1,728.00(I)	NA	1,060.00	970.00	840.00	1PQFE
(x) Per Fibre Channel 100 (21 STS-1)	500.00	1,120.00(I)	NA	580.00	530.00	480.00	1PQFF
(y) Per Fibre Channel 100 (24c STS-1)	500.00	1,120.00(I)	NA	580.00	530.00	480.00	1PQFW
(z) Per Fibre Channel 200 (48 STS-1)	520.00	1,836.00(I)	NA	1,130.00	1,030.00	890.00	1PQ3A
(aa) Per Fibre Channel 200 (48c STS-1)	520.00	1,836.00(I)	NA	1,130.00	1,030.00	890.00	1PQ3B

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B7. DIGITAL NETWORK SERVICE

B7.4 LightGate Service (Cont'd)

B7.4.5 Rates and Charges (Cont'd)

	Nonrecurring Charge	Month to Month	12 Months	24 to 48 ^{2,3} Months	49 to 72 ² Months	73 to 96 ² Months	USOC
B. LightGate service Local Channel Mileage ¹							
1. Mileage for all LightGate service Local Channel Systems							
(a) First one-half mile (included in system charge)	-	-	-	-	-	-	NA
(b) Each additional one-half mile	NA	\$6,158.00	\$243.00	\$180.00	\$165.00	\$150.00	1LPEA
C. Separate Alternate Facility Transport (SAFT) ¹							
1. SAFT Level I							
(a) Per System	\$770.00						1L8EA
(b) Per one-half air mile		236.00(I)	NA	115.00	95.00	90.00	1L8SA
2. SAFT Level II							
(a) Per System	770.00						1L8EP
(b) Per one-half air mile		2,700.00(I)	NA	800.00	640.00	520.00	1L8SP
D. Interoffice Channels (These channels are furnished between central offices. Rates are based upon airline distance between central offices.)							
1. LightGate I service ¹							
(a) Per DS3							
(1) 0-8 miles							
(a) Fixed	190.00	39,225.00	1,316.00	975.00	775.00	625.00	1LPS8
(b) Per Mile		3,531.00	94.00	70.00	60.00	50.00	1LPE8
(2) 9-25 miles							
(a) Fixed	190.00	43,893.00	1,518.00	1,125.00	925.00	775.00	1LPS9
(b) Per Mile		3,531.00	94.00	70.00	60.00	50.00	1LPE9
(3) Over 25 miles							
(a) Fixed	190.00	51,325.00	1,788.00	1,325.00	1,125.00	925.00	1LPS6
(b) Per Mile		3,531.00	94.00	70.00	60.00	50.00	1LPE6
2. LightGate STS-1 service ¹							
(a) Per STS-1							
(1) 0-8 miles							
(a) Fixed	190.00	1,930.00(I)	1,316.00(I)	975.00	775.00	625.00	1LPS8
(b) Per Mile		175.00(I)	94.00(I)	70.00	60.00	50.00	1LPE8
(2) 9-25 miles							
(a) Fixed	190.00	2,160.00(I)	1,518.00(I)	1,125.00	925.00	775.00	1LPS9
(b) Per Mile		175.00(I)	94.00(I)	70.00	60.00	50.00	1LPE9
(3) Over 25 miles							
(a) Fixed	190.00	2,524.00(I)	1,788.00(I)	1,325.00	1,125.00	925.00	1LPS6
(b) Per Mile		175.00(I)	94.00(I)	70.00	60.00	50.00	1LPE6

Note 1: Month to month rates are only available at the end of a contract rate period.

Note 2: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

Note 3: As of April 5, 2021, the 24-36 Month Contract Term for LightGate DS1 and DS3 channel interface options are no longer available for new or renewing subscribers.

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.)

	Nonrecurring Charge	Month to Month	12 Months	24 to 48² Months	49 to 72² Months	73 to 96² Months	USOC
3. LightGate OC-3 service ¹							
a. Per OC-3							
(1) 0-8 miles							
(a) Fixed	\$190.00	\$2,835.00(I)	NA	\$1,475.00	\$1,225.00	\$1,025.00	1LPS8
(b) Per Mile		303.00(I)	NA	155.00	140.00	125.00	1LPE8
(2) 9-25 miles							
(a) Fixed	190.00	3,510.00(I)	NA	2,150.00	2,000.00	1,900.00	1LPS9
(b) Per Mile		303.00(I)	NA	155.00	140.00	125.00	1LPE9
(3) Over 25 miles							
(a) Fixed	190.00	4,860.00(I)	NA	3,150.00	2,900.00	2,700.00	1LPS6
(b) Per Mile		303.00(I)	NA	155.00	140.00	125.00	1LPE6
4. LightGate OC-12 service ¹							
(a) Per OC-12							
(1) 0-8 miles							
(a) Fixed	190.00	5,400.00(I)	NA	3,300.00	3,000.00	2,700.00	1LPS8
(b) Per Mile		540.00(I)	NA	320.00	290.00	260.00	1LPE8
(2) 9-25 miles							
(a) Fixed	190.00	7,425.00(I)	NA	4,800.00	4,500.00	4,200.00	1LPS9
(b) Per Mile		540.00(I)	NA	320.00	290.00	260.00	1LPE9
(3) Over 25 miles							
(a) Fixed	190.00	9,720.00(I)	NA	6,500.00	6,200.00	5,900.00	1LPS6
(b) Per Mile		540.00(I)	NA	320.00	290.00	260.00	1LPE6
5. LightGate OC-48 service ¹							
(a) Per OC-48							
(1) 0-8 miles							
(a) Fixed	190.00	10,530.00(I)	NA	6,500.00	5,800.00	5,200.00	1LPS8
(b) Per Mile		810.00(I)	NA	500.00	450.00	400.00	1LPE8
(2) 9-25 miles							
(a) Fixed	190.00	11,745.00(I)	NA	7,300.00	6,700.00	6,100.00	1LPS9
(b) Per Mile		810.00(I)	NA	500.00	450.00	400.00	1LPE9
(3) Over 25 miles							
(a) Fixed	190.00	13,500.00(I)	NA	8,600.00	7,900.00	7,100.00	1LPS6
(b) Per Mile		810.00(I)	NA	500.00	450.00	400.00	1LPE6

Note 1: Month to month rates are only available at the end of a contract rate period.

Note 2: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

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.)

	Nonrecurring Charge	Month to Month	12 Months	24 to 48 ^{2,3} Months	49 to 72 ² Months	73 to 96 ² Months	USOC
6. LightGate OC-192 service ¹							
(a) Per OC-192							
(1) 0-8 miles							
(a) Fixed	\$190.00	\$25,650.00(I)	NA	\$15,500.00	\$13,800.00	\$12,500.00	1LPS8
(b) Per Mile		810.00(I)	NA	500.00	450.00	400.00	1LPE8
(2) 9-25 miles							
(a) Fixed	190.00	26,865.00(I)	NA	15,900.00	14,200.00	12,700.00	1LPS9
(b) Per Mile		810.00(I)	NA	500.00	450.00	400.00	1LPE9
(3) Over 25 miles							
(a) Fixed	190.00	29,700.00(I)	NA	17,700.00	15,800.00	14,100.00	1LPS6
(b) Per Mile		810.00(I)	NA	500.00	450.00	400.00	1LPE6
7. Central Office Channel Interfaces							
(a) Per DS1	125.00	16.00(I)	\$10.00(I)	8.00	7.00	6.00	1PQE8
(b) Per DS3	125.00	2,843.00	121.00	90.00	80.00	70.00	1PQE3
(c) Per STS-1	125.00	236.00(I)	NA	140.00	130.00	120.00	1PQE4
(d) Per OC-3 (2 Fiber)	200.00	324.00(I)	NA	190.00	175.00	160.00	1PQE5
(e) Per OC-3 (4 Fiber)	200.00	573.00(I)	NA	330.00	300.00	270.00	1PQE6
(f) Per OC-12 (2 Fiber)	360.00	864.00(I)	NA	495.00	450.00	405.00	1PQEE
(g) Per OC-12 (4 Fiber)	400.00	1,728.00(I)	NA	990.00	900.00	810.00	1PQED
(h) Per OC-48 (2 Fiber)	500.00	2,160.00(I)	NA	1,325.00	1,215.00	1,050.00	1PQEO
(i) Per OC-48 (4 Fiber)	500.00	4,320.00(I)	NA	2,650.00	2,430.00	2,100.00	1PQEF
(j) Per 28 DS1 Channel System	125.00	810.00(I)	NA	490.00	465.00	450.00	MQ3CO
(k) Per DS1 on 28 DS1 Channel System	125.00	16.00(I)	10.00(I)	8.00	7.00	6.00	1PQEA
(l) Per STS-1 Channel System	125.00	810.00(I)	NA	490.00	465.00	450.00	1PQE7
(m) Per OC-3 Channel System	125.00	1,788.00(I)	NA	1,100.00	1,000.00	900.00	1PQE9
(n) Per OC-12 Channel System	125.00	3,577.00(I)	NA	2,200.00	2,000.00	1,800.00	1PQ12
(o) Per OC-48 Channel System	125.00	7,411.00(I)	NA	4,410.00	4,050.00	3,510.00	1PQ48

Note 1: Month to month rates are only available at the end of a contract rate period.

Note 2: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

Note 3: As of April 5, 2021, the 24-36 Month Contract Term for LightGate DS1 and DS3 channel interface options are no longer available for new or renewing subscribers.

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)

	Nonrecurring Charge	Month to Month	12 Months	24 to 48 ³ Months	49 to 72 ³ Months	73 to 96 ³ Months	USOC
(p) Per 10 Mbps ¹	\$450.00	\$675.00(I)	NA	\$175.00	\$155.00	\$140.00	1PQEH
(q) Per 100 Mbps (3-STS-1) – Electrical ¹	450.00	729.00(I)	NA	210.00	190.00	170.00	1PQEJ
(r) Per 100 Mbps (3 STS-1) - Optical	450.00	729.00(I)	NA	210.00	190.00	170.00	1PQDJ
(s) Per Fractional 1000 Mbps ¹							
- 50 Mbps – 1 STS-1	450.00	702.00(I)	NA	190.00	170.00	150.00	1PQEM
- 150 Mbps – 3c STS-1	450.00	756.00(I)	NA	230.00	210.00	190.00	1PQEN
- 150 Mbps – 3 STS-1	450.00	756.00(I)	NA	230.00	210.00	190.00	1PQDN
- 300 Mbps – 6c STS-1	450.00	810.00(I)	NA	300.00	280.00	260.00	1PQER
- 300 Mbps – 6 STS-1	450.00	810.00(I)	NA	300.00	280.00	260.00	1PQDR
- 450 Mbps – 9c STS-1	450.00	864.00(I)	NA	340.00	310.00	290.00	1PQES
- 450 Mbps – 9 STS-1	450.00	864.00(I)	NA	340.00	310.00	290.00	1PQDS
- 600 Mbps – 12c STS-1	450.00	945.00(I)	NA	380.00	340.00	320.00	1PQET
- 600 Mbps – 12 STS-1	450.00	945.00(I)	NA	380.00	340.00	320.00	1PQDT
- 1000 Mbps – 21 STS-1 ²	400.00	999.00(I)	NA	520.00	475.00	425.00	1PQEK
- 1000 Mbps – 24c STS-1 ²	400.00	999.00(I)	NA	520.00	475.00	425.00	1PQEW
(t) Per Fibre Connection (FICON™) (21 STS-1)	500.00	1,093.00(I)	NA	570.00	520.00	470.00	1PQGA
(u) Per Fibre Connection (FICON™) (24c STS-1)	500.00	1,093.00(I)	NA	570.00	520.00	470.00	1PQGB
(v) Per Fibre Connection (FICON™) Express (48 STS-1)	520.00	1,728.00(I)	NA	1,060.00	970.00	840.00	1PQGC
(w) Per Fibre Connection (FICON™) Express (48c STS-1)	520.00	1,728.00(I)	NA	1,060.00	970.00	840.00	1PQGD
(x) Per Fibre Channel 100 (21 STS-1)	500.00	1,120.00(I)	NA	580.00	530.00	480.00	1PQGE
(y) Per Fibre Channel 100 (24c STS-1)	500.00	1,120.00(I)	NA	580.00	530.00	480.00	1PQGF
(z) Per Fibre Channel 200 (48 STS-1)	520.00	1,836.00(I)	NA	1,130.00	1,030.00	890.00	1PQGG
(aa) Per Fibre Channel 200 (48c STS-1)	520.00	1,836.00(I)	NA	1,130.00	1,030.00	890.00	1PQGH

Note 1: Available only for systems installed on or after December 2, 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.

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: As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

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)

Applicable rate elements for this service are: (Cont'd)

- Metro Ethernet and SMARTRing Metro Ethernet Access Links are limited to the following connections:

<u>Metro Ethernet Connection</u>	<u>SMARTRing Metro Ethernet Access Link Fractional 1000 Mbps at – Central Office</u>	<u>SMARTRing Metro Ethernet Access Link Fractional 1000 Mbps at – Customer Premises</u>
Basic 1000 Mbps	1000 Mbps	1000 Mbps
Premium 100 Mbps Optical (Fixed)	150 Mbps	150 Mbps
Premium 250 Mbps (Fixed)	300 Mbps	300 Mbps
Premium 500 Mbps (Fixed)	600 Mbps	600 Mbps
Premium 100, 250, 500 Mbps (Burst)	1000 Mbps	1000 Mbps
Premium 900 Mbps, 1000 Mbps	1000 Mbps	1000 Mbps
Virtual Ethernet Service 100 Mbps	150 Mbps	150 Mbps
Virtual Ethernet Service 200 Mbps	300 Mbps	300 Mbps
Virtual Ethernet Service 300 Mbps	300 Mbps	300 Mbps
Virtual Ethernet Service 450 Mbps	450 Mbps	450 Mbps
Virtual Ethernet Service 600 Mbps	600 Mbps	600 Mbps
Virtual Ethernet Service 750, 900, 1000 Mbps	1000 Mbps	1000 Mbps

- Customer requested upgrades of SMARTRing service will involve a service outage associated with Basic Shared Ethernet LAN Access Links, for which a credit for service outage shall not apply.
- Shared Node Interconnection (SNI) is available, based on equipment capability, whereby two SMARTRing service arrangements belonging to the same customer may share a node in a central office that is common to both rings.

B7.7.4 Rates and Charges

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

	Nonrecurring Charge	Month To Month	12 Months	24 to 48¹ Months	49 to 72¹ Months	73 to 96¹ Months	USOC
1. Local Channel Mileage Rates (All capacities)							
(a) Per Local Channel	\$500.00	-	-	-	-	-	1HVXX
(b) Per quarter air mile	-	\$202.00(I)	\$112.00(I)	\$83.00	\$73.00	\$68.00	1HVAX

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.

Effective December 1, 2021, Payment Plans greater than 12 Months are no longer available for new or renewing subscribers.

(N)

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)**

	Nonrecurring Charge	Month To Month	12 Months	24 to 48¹ Months	49 to 72¹ Months	73 to 96¹ Months	USOC
2. Alternate Central Office Channel Mileage Rates (All Capacities)							
(a) Alternate C.O. Channel, per channel	500.00	-	-	-	-	-	1HAXX
(b) Per quarter air mile	-	924.00(I)	378.00(I)	280.00	175.00	140.00	1HAAX
3. Interoffice Channel Mileage Rates							
(a) Fixed, OC-3 capacity	190.00	67.00(I)	48.00(I)	36.00	32.00	27.00	1HXFX
(b) Fixed, OC-12, capacity	190.00	195.00(I)	175.00(I)	130.00	115.00	105.00	1HXFX
(c) Fixed, OC-3+ capacity	190.00	195.00(I)	175.00(I)	130.00	115.00	105.00	1HXFX
(d) Fixed, OC-48 and OC-48+ capacity	190.00	459.00(I)	364.00(I)	270.00	260.00	250.00	1HXFX
(e) Fixed, OC-192 and OC-192+ capacity	240.00	1,039.00(I)	857.00(I)	635.00	610.00	590.00	1HXFX
(f) Per quarter air mile (OC-3 capacity)	-	60.00(I)	43.00(I)	32.00	23.00	18.00	1HXAX
(g) Per quarter air mile (OC-12 capacity)	-	67.00(I)	48.00(I)	36.00	30.00	23.00	1HXAX
(h) Per quarter air mile (OC-3+ capacity)	-	67.00(I)	48.00(I)	36.00	30.00	23.00	1HXAX
(i) Per quarter air mile (OC-48 and OC-48+ capacity)	-	67.00(I)	48.00(I)	36.00	30.00	23.00	1HXAX
(j) Per quarter air mile (OC-192 and OC-192+ capacity)	-	67.00(I)	48.00(I)	36.00	30.00	23.00	1HXAX
4. Internodal Channel Mileage Rates (All Capacities)							
(a) Per Internodal Channel, Same Wire Center area	\$500.00	-	-	-	-	-	1HNXX
(b) Per quarter air mile, Same Wire Center	-	\$1,890.00(I)	\$722.00(I)	\$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	-	2,160.00(I)	877.00(I)	650.00	465.00	390.00	1HNCX

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.

Effective December 1, 2021, Payment Plans greater than 12 Months are no longer available for new or renewing subscribers.

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)**

	Nonrecurring Charge	Month To Month	12 Months	24 to 48 ¹ Months	49 to 72 ¹ Months	73 to 96 ¹ Months	USOC
5. Customer Node (per Node)							
(a) OC-3 capacity	\$440.00	\$2,970.00(I)	\$1,336.00(I)	\$990.00	\$900.00	\$810.00	SHNC3
(b) OC-3+ capacity	440.00	3,645.00(I)	2,490.00(I)	1,845.00	1,575.00	1,350.00	SHNN5
(c) OC-12 capacity	465.00	4,590.00(I)	2,673.00(I)	1,980.00	1,800.00	1,575.00	SHNC1
(d) OC-48 capacity	465.00	7,047.00(I)	5,953.00(I)	4,410.00	4,050.00	3,510.00	SHNN8
(e) OC-48+ capacity	465.00	7,897.00(I)	5,953.00(I)	4,410.00	4,050.00	3,510.00	SHNN9
(f) OC-192 capacity	540.00	33,750.00(I)	12,656.00(I)	9,375.00	8,250.00	7,300.00	SHNN6
(g) OC-192+ capacity	540.00	33,750.00(I)	12,656.00(I)	9,375.00	8,250.00	7,300.00	SHNN2
6. Customer Channel Interface (per Node)							
(a) Per DS1	175.00	47.00(I)	40.00(I)	30.00	25.00	20.00	SHNBB
(b) Per DS3	130.00	229.00(I)	182.00(I)	135.00	130.00	125.00	SHNZT
(c) Per STS-1	190.00	297.00(I)	229.00(I)	170.00	150.00	140.00	SHN13
(d) Per OC-3, 2 fiber	190.00	344.00(I)	256.00(I)	190.00	170.00	160.00	SHN1D
(e) Per OC-3, 4 fiber	190.00	695.00(I)	513.00(I)	380.00	340.00	320.00	SHN15
(f) Per OC-12, 2 fiber	400.00	1,005.00(I)	695.00(I)	515.00	475.00	440.00	SHN1F
(g) Per OC-12, 4 fiber	400.00	2,011.00(I)	1,390.00(I)	1,030.00	950.00	880.00	SHN19
(h) Per OC-48, 2 fiber	420.00	2,160.00(I)	1,788.00(I)	1,325.00	1,215.00	1,050.00	SHN1A
(i) Per OC-48, 4 fiber	420.00	4,320.00(I)	3,577.00(I)	2,650.00	2,430.00	2,100.00	SHN1B
(j) Per OC-192, 2 fiber	1,600.00	10,125.00(I)	6,480.00(I)	4,800.00	3,300.00	2,850.00	SHNE1
(k) Per OC-192, 4 fiber	1,600.00	20,250.00(I)	12,960.00(I)	9,600.00	6,600.00	5,700.00	SHNE2
(l) Per DS1 within an STS-1 Asymmetrical Arrangement	330.00	33.00(I)	29.00(I)	22.00	20.00	18.00	SHNBS
(m) Per DS3 (Asymmetrical with DS1)	360.00	742.00(I)	607.00(I)	450.00	400.00	350.00	SHN1T
(n) Per 10 Mbps	450.00	675.00(I)	236.00(I)	175.00	155.00	140.00	SHN1M
(o) Per 100 Mbps (3 STS-1) – Electrical	450.00	729.00(I)	283.00(I)	210.00	190.00	170.00	SHN1N
(p) Per 100 Mbps (3 STS-1) – Optical 1310 nm Single-mode	450.00	729.00(I)	283.00(I)	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.

Effective December 1, 2021, Payment Plans greater than 12 Months are no longer available for new or renewing subscribers.

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)**

	Nonrecurring Charge	Month To Month	12 Months	24 to 48¹ Months	49 to 72¹ Months	73 to 96¹ Months	USOC
6. Customer Channel Interface (per Node) (Cont'd)							
(q) Per Fractional 1000 Mbps							
- 50 Mbps 850 nm Multi-mode – 1 STS-1	\$450.00	\$702.00(I)	\$256.00(I)	\$190.00	\$170.00	\$150.00	SHN1O
- 50 Mbps 1310 nm Single-mode – 1 STS-1	450.00	702.00(I)	256.00(I)	190.00	170.00	150.00	SHN3O
- 150 Mbps 850 nm Multi-mode – 3c STS-1	450.00	756.00(I)	310.00(I)	230.00	210.00	190.00	SHN1P
- 150 Mbps 1310 nm Single-mode – 3c STS-1	450.00	756.00(I)	310.00(I)	230.00	210.00	190.00	SHN3P
- 150 Mbps 850 nm Multi-mode – 3 STS-1	450.00	756.00(I)	310.00(I)	230.00	210.00	190.00	SHN3J
- 150 Mbps 1310 nm Single-mode – 3 STS-1	450.00	756.00(I)	310.00(I)	230.00	210.00	190.00	SHN3L
- 300 Mbps 850 nm Multi-mode – 6c STS-1	450.00	810.00(I)	405.00(I)	300.00	280.00	260.00	SHN1R
- 300 Mbps 1310 nm Single-mode – 6c STS-1	450.00	810.00(I)	405.00(I)	300.00	280.00	260.00	SHN3R
- 300 Mbps 850 nm Multi-mode – 6 STS-1	450.00	810.00(I)	405.00(I)	300.00	280.00	260.00	SHN3M
- 300 Mbps 1310 nm Single-mode – 6 STS-1	450.00	810.00(I)	405.00(I)	300.00	280.00	260.00	SHN3Q
- 450 Mbps 850 nm Multi-mode – 9c STS-1	450.00	864.00(I)	459.00(I)	340.00	310.00	290.00	SHN1U
- 450 Mbps 1310 nm Single-mode – 9c STS-1	450.00	864.00(I)	459.00(I)	340.00	310.00	290.00	SHN3U
- 450 Mbps 850 nm Multi-mode – 9 STS-1	450.00	864.00(I)	459.00(I)	340.00	310.00	290.00	SHN3T
- 450 Mbps 1310 nm Single-mode – 9 STS-1	450.00	864.00(I)	459.00(I)	340.00	310.00	290.00	SHN39
- 600 Mbps 850 nm Multi-mode – 12c STS-1	450.00	945.00(I)	513.00(I)	380.00	340.00	320.00	SHN1V
- 600 Mbps 1310 nm Single-mode – 12c STS-1	450.00	945.00(I)	513.00(I)	380.00	340.00	320.00	SHN3V
- 600 Mbps 850 nm Multi-mode – 12 STS-1	450.00	945.00(I)	513.00(I)	380.00	340.00	320.00	SHNBY
- 600 Mbps 1310 nm Single-mode – 12 STS-1	450.00	945.00(I)	513.00(I)	380.00	340.00	320.00	SHNBZ
- 1000 Mbps 850 nm Multi-mode – 21 STS-1	400.00	999.00(I)	702.00(I)	520.00	475.00	425.00	SHN1K
- 1000 Mbps 1310 nm Single-mode – 21 STS-1	400.00	999.00(I)	702.00(I)	520.00	475.00	425.00	SHN3K
- 1000 Mbps 850 nm Multi-mode – 24c STS-1	400.00	999.00(I)	702.00(I)	520.00	475.00	425.00	SHN3G
- 1000 Mbps 1310 nm Single-mode – 24c STS-1	400.00	999.00(I)	702.00(I)	520.00	475.00	425.00	SHN3H
(r) Per Flex DS1	360.00	60.00(I)	45.00(I)	34.00	27.00	25.00	SHN1Q
(s) Per 100 Mbps (1 STS-1) Metro Ethernet Backbone	800.00	675.00(I)	236.00(I)	175.00	155.00	140.00	SHN1J
(t) Per 100 Mbps (3 STS-1) Metro Ethernet Backbone	800.00	729.00(I)	283.00(I)	210.00	190.00	170.00	SHN33
(u) Per 1000 Mbps Metro Ethernet Backbone	850.00	999.00(I)	702.00(I)	520.00	475.00	425.00	SHN34

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.

Effective December 1, 2021, Payment Plans greater than 12 Months are no longer available for new or renewing subscribers.

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)**

	Nonrecurring Charge	Month To Month	12 Months	24 to 48¹ Months	49 to 72¹ Months	73 to 96¹ Months	USOC
6. Customer Channel Interface (per Node) (Cont'd)							
(v) Per Fractional 1000 Mbps Metro Ethernet Backbone							
- 150 Mbps (3 STS-1)	\$850.00	\$756.00(I)	\$310.00(I)	\$230.00	\$210.00	\$190.00	SHN35
- 300 Mbps (6 STS-1)	850.00	810.00(I)	405.00(I)	300.00	280.00	260.00	SHN36
- 450 Mbps (9 STS-1)	850.00	864.00(I)	459.00(I)	340.00	310.00	290.00	SHN37
- 600 Mbps (12 STS-1)	850.00	945.00(I)	513.00(I)	380.00	340.00	320.00	SHN38
(w) Per Fibre Connection (FICON) (21 STS-1)	500.00	1,093.00(I)	769.00(I)	570.00	520.00	470.00	SHNBC
(x) Per Fibre Connection (FICON) (24c STS-1)	500.00	1,093.00(I)	769.00(I)	570.00	520.00	470.00	SHNBD
(y) Per Fibre Connection (FICON) Express (48 STS-1)	520.00	1,728.00(I)	1,431.00(I)	1,060.00	970.00	840.00	SHNBE
(z) Per Fibre Connection (FICON) Express (48c STS-1)	520.00	1728.00(I)	1,431.00(I)	1,060.00	970.00	840.00	SHNBF
(aa) Per Fibre Channel 100 (21 STS-1)	500.00	1,120.00(I)	783.00(I)	580.00	530.00	480.00	SHNBG
(ab) Per Fibre Channel 100 (24c STS-1)	500.00	1,120.00(I)	783.00(I)	580.00	530.00	480.00	SHNBH
(ac) Per Fibre Channel 200 (48 STS-1)	520.00	1,836.00(I)	1,525.00(I)	1,130.00	1,030.00	890.00	SHNBJ
(ad) Per Fibre Channel 200 (48c STS-1)	520.00	1,836.00(I)	1,525.00(I)	1,130.00	1,030.00	890.00	SHNBK
7. Central Office Node (per Node)							
(a) OC-3 capacity	\$410.00	\$1,890.00(I)	\$1,336.00(I)	\$990.00	\$900.00	\$810.00	SHNH3
(b) OC-3+ capacity	410.00	3,037.00(I)	2,490.00(I)	1,845.00	1,575.00	1,350.00	SHNH5
(c) OC-12 capacity	465.00	3,618.00(I)	2,673.00(I)	1,980.00	1,800.00	1,575.00	SHNH1
(d) OC-48 capacity	465.00	6,561.00(I)	5,953.00(I)	4,110.00	4,050.00	3,510.00	SHNH8
(e) OC-48+ capacity	465.00	7,411.00(I)	5,953.00(I)	4,110.00	4,050.00	3,510.00	SHNH9
(f) OC-192 capacity	540.00	33,750.00(I)	12,656.00(I)	9,375.00	8,250.00	7,300.00	SHNH7
(g) OC-192+ capacity	540.00	33,750.00(I)	12,656.00(I)	9,375.00	8,250.00	7,300.00	SHNH6
(h) OC-3 Shared Node Interconnection	550.00	1,323.00(I)	931.00(I)	690.00	630.00	570.00	SHNHA
(i) OC-12 Shared Node Interconnection	550.00	2,457.00(I)	1,876.00(I)	1,390.00	1,260.00	1,100.00	SHNHB
(j) OC-48 Shared Node Interconnection	550.00	4,590.00(I)	3,888.00(I)	2,880.00	2,840.00	2,460.00	SHNHC
(k) OC-48+ Shared Node Interconnection	550.00	5,184.00(I)	3,888.00(I)	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.

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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	12 Months	24 to 48 ¹ Months	49 to 72 ¹ Months	73 to 96 ¹ Months	USOC
(a) Per DS1	125.00	47.00(I)	40.00(I)	30.00	25.00	20.00	SHNCB
(b) Per DS3	185.00	155.00(I)	114.00(I)	85.00	80.00	75.00	SHNYT
(c) Per STS-1	185.00	202.00(I)	141.00(I)	105.00	100.00	90.00	SHNO2
(d) Per OC-3, 2 fiber	375.00	344.00(I)	256.00(I)	190.00	170.00	160.00	SHNCD
(e) Per OC-3, 4 fiber	375.00	695.00(I)	513.00(I)	380.00	340.00	320.00	SHNO4
(f) Per OC-12, 2 fiber	600.00	1,005.00(I)	695.00(I)	515.00	475.00	440.00	SHNCF
(g) Per OC-12, 4 fiber	600.00	2,011.00(I)	1,390.00(I)	1,030.00	950.00	880.00	SHNC9
(h) Per OC-48, 2 fiber	650.00	2,160.00(I)	1,788.00(I)	1,325.00	1,215.00	1,050.00	SHNCJ
(i) Per OC-48, 4 fiber	650.00	4,320.00(I)	3,577.00(I)	2,650.00	2,430.00	2,100.00	SHNCK
(j) Per OC-192, 2 fiber	1,600.00	10,125.00(I)	6,480.00(I)	4,800.00	3,300.00	2,850.00	SHNE3
(k) Per OC-192, 4 fiber	1,600.00	20,250.00(I)	12,960.00(I)	9,600.00	6,600.00	5,700.00	SHNE4
(l) Per 28 DS1 Channel System (DS3)	180.00	877.00(I)	742.00(I)	550.00	500.00	450.00	SHNW8
(m) Per 28 DS1 Channel System (STS-1)	185.00	1,012.00(I)	877.00(I)	650.00	600.00	575.00	SHNCS
(n) Per DS1 on 28 DS1 Channel System (DS3)	155.00	16.00(I)	10.00(I)	8.00	7.00	6.00	SHNCA
(o) Per DS1 on 28 DS1 Channel System (STS-1)	155.00	54.00(I)	47.00(I)	35.00	30.00	25.00	SHNCG
(p) Per DS1 within an STS-1 Asymmetrical Arrangement	360.00	33.00(I)	29.00(I)	22.00	20.00	18.00	SHNCH
(q) Per DS3 (Asymmetrical with DS1)	400.00	742.00(I)	607.00(I)	450.00	400.00	350.00	SHNCT
(r) Per 10 Mbps	450.00	675.00(I)	236.00(I)	175.00	155.00	140.00	SHNCM
(s) Per 100 Mbps (3 STS-1) - Electrical	450.00	729.00(I)	283.00(I)	210.00	190.00	170.00	SHNCN
(t) Per 100 Mbps (3 STS-1) - Optical	550.00	729.00(I)	283.00(I)	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.

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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	12 Months	24 to 48¹ Months	49 to 72¹ Months	73 to 96¹ Months	USOC
(u) Per Fractional 1000 Mbps							
- 50 Mbps – 1 STS-1	\$450.00	\$702.00(I)	\$256.00(I)	\$190.00	\$170.00	\$150.00	SHNCO
- 150 Mbps – 3c STS-1	450.00	756.00(I)	310.00(I)	230.00	210.00	190.00	SHNCP
- 150 Mbps – 3 STS-1	450.00	756.00(I)	310.00(I)	230.00	210.00	190.00	SHNDV
- 300 Mbps – 6c STS-1	450.00	810.00(I)	405.00(I)	300.00	280.00	260.00	SHNCR
- 300 Mbps – 6 STS-1	450.00	810.00(I)	405.00(I)	300.00	280.00	260.00	SHNDX
- 450 Mbps – 9c STS-1	450.00	864.00(I)	459.00(I)	340.00	310.00	290.00	SHNCU
- 450 Mbps – 9 STS-1	450.00	864.00(I)	459.00(I)	340.00	310.00	290.00	SHNDY
- 600 Mbps – 12c STS-1	450.00	945.00(I)	513.00(I)	380.00	340.00	320.00	SHNCV
- 600 Mbps – 12 STS-1	450.00	945.00(I)	513.00(I)	380.00	340.00	320.00	SHNDZ
- 1000 Mbps – 21 STS-1	400.00	999.00(I)	702.00(I)	520.00	475.00	425.00	SHNCW
- 1000 Mbps – 24c STS-1	400.00	999.00(I)	702.00(I)	520.00	475.00	425.00	SHNDW
(v) Per Flex DS1	250.00	54.00(I)	40.00(I)	30.00	25.00	20.00	SHNCQ
(w) Per 100 Mbps (1 STS-1) Metro Ethernet Backbone	800.00	675.00(I)	236.00(I)	175.00	155.00	140.00	SHNOJ
(x) Per 100 Mbps (3 STS-1) Metro Ethernet Backbone	800.00	729.00(I)	283.00(I)	210.00	190.00	170.00	SHNCX
(y) Per 1000 Mbps Metro Ethernet Backbone	850.00	999.00(I)	702.00(I)	520.00	475.00	425.00	SHNC5
(z) Per Fractional 1000 Mbps Metro Ethernet Backbone							
- 150 Mbps (3 STS-1)	850.00	756.00(I)	310.00(I)	230.00	210.00	190.00	SHND5
- 300 Mbps (6 STS-1)	850.00	810.00(I)	405.00(I)	300.00	280.00	260.00	SHND6
- 450 Mbps (9 STS-1)	850.00	864.00(I)	459.00(I)	340.00	310.00	290.00	SHND7
- 600 Mbps (12 STS-1)	850.00	945.00(I)	513.00(I)	380.00	340.00	320.00	SHND8
(aa) Per Fibre Connection (FICON) (21 STS-1)	500.00	1,093.00(I)	769.00(I)	570.00	520.00	470.00	SHNDB
(ab) Per Fibre Connection (FICON) (24c STS-1)	500.00	1,093.00(I)	769.00(I)	570.00	520.00	470.00	SHNDC
(ac) Per Fibre Connection (FICON) Express (48 STS-1)	520.00	1,728.00(I)	1,431.00(I)	1,060.00	970.00	840.00	SHNDD
(ad) Per Fibre Connection (FICON) Express (48c STS-1)	520.00	1,728.00(I)	1,431.00(I)	1,060.00	970.00	840.00	SHNDE
(ae) Per Fibre Channel 100 (21 STS-1)	500.00	1,120.00(I)	783.00(I)	580.00	530.00	480.00	SHNDF
(af) Per Fibre Channel 100 (24c STS-1)	500.00	1,120.00(I)	783.00(I)	580.00	530.00	480.00	SHNDG
(ag) Per Fibre Channel 200 (48 STS-1)	520.00	1,836.00(I)	1,525.00(I)	1,130.00	1,030.00	890.00	SHNDH
(ah) Per Fibre Channel 200 (48c STS-1)	520.00	1,836.00(I)	1,525.00(I)	1,130.00	1,030.00	890.00	SHNDJ

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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

	Nonrecurring Charge	USOC
(a) Per Node, Per occurrence	\$280.00	SHRBC

10. Concatenation Rearrangement Charge

	Monthly Rate	Nonrecurring Charge			USOC
(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	-	-	Initial	Subsequent	NRCCN
			\$500.00		

11. SMARTRing Service Rearrangement

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

	Nonrecurring Charge	Month To Month	12 Months	24 to 48² Months	49 to 72² Months	73 to 96² Months	USOC
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12. Basic Shared Ethernet LAN Access Link

(a) Customer Premises Access Link Connection

(1) Per 10 Mbps Basic Shared Ethernet LAN Access Link - Electrical ¹	\$2,050.00	\$985.00(I)	\$337.00(I)	\$250.00	\$220.00	\$200.00	SHN1G
(2) Per 100 Mbps Basic Shared Ethernet LAN Access Link - Electrical ¹	2,050.00	1,053.00(I)	405.00(I)	300.00	280.00	250.00	SHN1H
(3) Per 100 Mbps Basic Shared Ethernet LAN Access Link – Optical 1310 nm Single-mode ¹	2,050.00	1,053.00(I)	405.00(I)	300.00	280.00	250.00	SHN11
(4) Per Fractional 1000 Mbps Basic Shared Ethernet LAN Access Link – Optical¹							
- 50 Mbps 850 nm Multi-mode	2,050.00	1,012.00(I)	378.00(I)	280.00	250.00	240.00	SHN1S
- 50 Mbps 1310 nm Single-mode	2,050.00	1,012.00(I)	378.00(I)	280.00	250.00	240.00	SHN3S
- 150 Mbps 850 nm Multi-mode	2,050.00	1,093.00(I)	445.00(I)	330.00	300.00	280.00	SHN1W
- 150 Mbps 1310 nm Single-mode	2,050.00	1,093.00(I)	445.00(I)	330.00	300.00	280.00	SHN3W
- 300 Mbps 850 nm Multi-mode	2,050.00	1,174.00(I)	594.00(I)	440.00	410.00	380.00	SHN1X
- 300 Mbps 1310 nm Single-mode	2,050.00	1,174.00(I)	594.00(I)	440.00	410.00	380.00	SHN3X
- 450 Mbps 850 nm Multi-mode	2,050.00	1,255.00(I)	661.00(I)	490.00	450.00	420.00	SHN1Y
- 450 Mbps 1310 nm Single-mode	2,050.00	1,255.00(I)	661.00(I)	490.00	450.00	420.00	SHN3Y
- 600 Mbps 850 nm Multi-mode	2,050.00	1,377.00(I)	742.00(I)	550.00	490.00	460.00	SHN1Z
- 600 Mbps 1310 nm Single-mode	2,050.00	1,377.00(I)	742.00(I)	550.00	490.00	460.00	SHN3Z
- 1000 Mbps 850 nm Multi-mode	2,050.00	1,512.00(I)	877.00(I)	650.00	590.00	560.00	SHNJA
- 1000 Mbps 1310 nm Single-mode	2,050.00	1,512.00(I)	877.00(I)	650.00	590.00	560.00	SHNKA

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.

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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

	Nonrecurring Charge	Month To Month	12 Months	24 to 48 ¹ Months	49 to 72 ¹ Months	73 to 96 ¹ Months	USOC
(1) Per Fractional 1000 Mbps Access Link – Metro Ethernet Customer Premises							
- 150 Mbps 850 nm Multi-mode	\$2,050.00	\$1,323.00(I)	\$1,080.00(I)	\$800.00	\$500.00	\$400.00	SHNMA
- 150 Mbps 1310 nm Single-mode	2,050.00	1,323.00(I)	1,080.00(I)	800.00	500.00	400.00	SHNSA
- 300 Mbps 850 nm Multi-mode	2,050.00	1,647.00(I)	1,255.00(I)	930.00	580.00	540.00	SHNMB
- 300 Mbps 1310 nm Single-mode	2,050.00	1,647.00(I)	1,255.00(I)	930.00	580.00	540.00	SHNSB
- 450 Mbps 850 nm Multi-mode	2,050.00	1,768.00(I)	1,336.00(I)	990.00	630.00	590.00	SHNMC
- 450 Mbps 1310 nm Single-mode	2,050.00	1,768.00(I)	1,336.00(I)	990.00	630.00	590.00	SHNSC
- 600 Mbps 850 nm Multi-mode	2,050.00	1,930.00(I)	1,451.00(I)	1,075.00	690.00	650.00	SHNMD
- 600 Mbps 1310 nm Single-mode	2,050.00	1,930.00(I)	1,451.00(I)	1,075.00	690.00	650.00	SHNSD
- 1000 Mbps 850 nm Multi-mode	2,050.00	2,119.00(I)	1,620.00(I)	1,200.00	830.00	790.00	SHNME
- 1000 Mbps 1310 nm Single-mode	2,050.00	2,119.00(I)	1,620.00(I)	1,200.00	830.00	790.00	SHNSE
(2) Per Fractional 1000 Mbps Access Link – Metro Ethernet Central Office							
- 150 Mbps	2,050.00	1,323.00(I)	1,080.00(I)	800.00	500.00	400.00	SHNOA
- 300 Mbps	2,050.00	1,647.00(I)	1,255.00(I)	930.00	580.00	540.00	SHNOB
- 450 Mbps	2,050.00	1,768.00(I)	1,336.00(I)	990.00	630.00	590.00	SHNOC
- 600 Mbps	2,050.00	1,930.00(I)	1,451.00(I)	1,075.00	690.00	650.00	SHNOD
- 1000 Mbps	2,050.00	2,119.00(I)	1,620.00(I)	1,200.00	830.00	790.00	SHNOE

13. Virtual Packet Ring Rearrangement Charge

	Monthly Rate	Nonrecurring Charge Initial	Subsequent	USOC
(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

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