

## ACCESS SERVICE

CHECK SHEET

Title Page and Pages 1 to 340 inclusive of this tariff are effective as of the date (T) shown. Original and revised pages as named below and Supplement Nos. 17, 38, 58, 60, 64, 66, 67, 68, 69, 71, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82 and 83 contain all changes from the original tariff that are in effect on the date hereof.

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Title	6th	12.3	4th	36	7th
1	461st*	12.3	Original	36.1	10th
1.1	162nd	13	2nd	37	19th
1.2	77th	14	2nd	37.1	6th
1.3	116th	15	3rd	37.2	6th
1.4	96th*	16	6th	37.3	1st
1.5	147th*	16.1	3rd	37.4	1st
1.6	62nd	17	3rd	38	15th
1.7	72nd	18	3rd	38.1	13th
1.8	39th*	19	5th	38.2	1st
2	4th	19.1	8th	40	3rd
3	10th	20	5th	40.1	5th
4	8th	21	3rd	40.2	2nd
5	13th	22	2nd	41	2nd
5.1	14th	23	3rd	42	12th
6	14th	24	2nd	42.1	Original
6.1	5th	25	1st	43	13th
6.2	4th	26	1st	43.1	14th
7	5th	27	1st	43.1.1	8th
7.1	4th	28	7th	43.1.2	9th
7.2	5th	28.1	7th	43.1.3	6th
7.3	8th	28.2	8th	43.1.4	1st
7.4	12th	28.3	9th	43.2	6th
7.5	16th	28.4	12th	43.3	6th
7.6	1st	28.5	4th	43.4	3rd
8	4th	29	6th	43.4.1	1st
8.1	1st	30	5th	44	2nd
8.2	12th	30.1	1st	45	1st
8.3	2nd	30.2	Original	46	1st
8.4	5th	31	8th	47	1st
9	6th	32	6th	48	1st
10	7th	33	10th	49	1st
11	12th	34	8th	50	1st
11.1	2nd	35	9th	51	1st
12	8th	35.1	10th	52	1st
12.1	7th			53	1st
				54	1st

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109.10	5th	109.44.1	9th	109.55	3rd
109.11	4th	109.44.1.1	Original	109.56	2nd
109.12	2nd	109.44.2	4th	109.57	3rd
109.13	4th	109.44.3	4th	109.57.1	1st
109.14	1st	109.44.4	3rd	109.58	2nd
109.15	1st	109.44.5	3rd	109.59	2nd
109.16	2nd	109.44.6	3rd	109.60	2nd
109.17	6th	109.44.7	3rd	109.61	2nd
109.17.1	Original	109.44.8	3rd	109.62	2nd
109.18	2nd	109.44.9	3rd	109.63	2nd
109.19	1st	109.44.10	3rd	109.64	3rd
109.20	2nd	109.44.11	4th	109.65	3rd
109.21	1st	109.44.12	3rd	109.66	1st
109.22	2nd	109.44.13	3rd	109.67	1st
109.23	3rd	109.44.14	2nd	109.68	3rd
109.24	2nd	109.44.15	3rd	109.69	3rd
109.25	2nd	109.44.16	4th	109.70	4th
109.26	4th	109.44.17	4th	109.71	5th
109.27	1st	109.44.18	3rd	109.71.1	3rd
109.28	1st	109.44.19	3rd	109.72	1st
109.29	2nd	109.44.20	3rd	109.73	8th
109.30	Original	109.44.21	3rd	109.73.1	Original
109.31	1st	109.44.22	3rd	109.74	3rd
109.32	2nd	109.44.23	3rd	109.75	1st
109.33	4th	109.44.24	3rd	109.76	1st
109.34	2nd	109.44.25	3rd	109.77	2nd
109.35	1st	109.44.26	3rd	109.77.1	1st
109.36	1st	109.44.27	3rd	109.78	Original
109.37	1st	109.44.27.1	2nd	109.78.1	Original
109.38	5th	109.44.28	2nd	109.79	4th
109.38.1	2nd	109.44.29	Original	109.80	9th
109.39	4th	109.44.30	1st	109.81	5th
109.40	4th	109.44.31	1st	109.82	3rd
109.40.1	4th	109.44.32	Original	109.83	2nd
109.41	4th	109.44.33	Original	109.84	2nd
109.42	8th	109.45	4th	109.84.1	2nd
109.43	4th	109.46	3rd	109.85	16th*
109.43.1	6th	109.46.1	2nd	109.85.1	11th
		109.47	1st		
		109.48	2nd		
		109.49	2nd		
		109.50	1st		
		109.51	2nd		
		109.52	3rd		
		109.53	2nd		

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109.85.3	10th	109.108	48th	111	3rd
109.85.4	3rd	109.108.1	2nd	112	3rd
109.85.5	1st	109.109.	48th	112.1	2nd
109.85.6	2nd	109.109.1	21st	112.2	2nd
109.85.7	2nd	109.109.2	2nd	113	2nd
109.85.8	3rd	109.109.3	2nd	114	3rd
109.85.9	2nd	109.109.4	2nd	115	3rd
109.85.10	4th	109.109.5	2nd	116	2nd
109.85.11	2nd	109.109.6	2nd	116.1	2nd
109.85.11.1	3rd*	109.109.7	2nd	117	4th
109.85.11.2	1st	109.110	38th	118	2nd
109.85.11.3	Original	109.110.1	20th	119	2nd
109.85.11.4	1st	109.111	44th	119.1	2nd
109.85.11.5	Original	109.111.1	30th	120	3rd
109.85.11.6	Original	109.112	36th	121	2nd
109.85.11.7	Original	109.113	11th	122	2nd
109.85.11.8	Original	109.113.1	26th	123	2nd
109.85.11.9	Original	109.113.2	7th	123.1	1st
109.85.11.10	Original	109.113.3	24th	124	2nd
109.85.11.11	Original	109.113.4	10th	125	2nd
109.86	32nd	109.113.5	20th	125.1	1st
109.87	28th	109.113.6	9th	126	2nd
109.88	45th	109.113.6.1	7th	127	2nd
109.89	26th	109.113.6.2	4th	127.1	1st
109.90	4th	109.113.7	14th*	128	2nd
109.91	26th	109.113.8	16th*	129	2nd
109.92	26th	109.113.8.1	Original*	129.1	1st
109.93	31st	109.113.9	9th*	130	2nd
109.94	5th	109.113.10	7th	130.1	1st
109.95	31st	109.113.11	6th	131	2nd
109.95.1	27th	109.114	5th	132	2nd
109.96	28th	109.115	3rd	133	2nd
109.96.1	23rd	109.116	1st	134	2nd
109.97	36th	109.117	2nd	135	2nd
109.98	3rd	109.118	3rd	136	2nd
109.99	2nd	109.119	4th	137	3rd
109.100	2nd	109.120	3rd	138	2nd
109.101	1st	109.121	2nd	138.1	1st
109.102	2nd	109.122	3rd	139	2nd
109.103	1st	109.123	2nd	140	2nd
109.104	35th	109.124	1st	141	2nd
109.105	40th	109.125	1st	141.1	1st
109.106	43rd	109.126	6th	142	2nd
		109.127	4th	143	2nd
		110	4th	143.1	1st
		110.1	5th		

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255	Original	299.1	3rd*	338	1st
256	Original	300	8th	339	Original
257	Original	300.1	Original	340	1st*
258	3rd	301	2nd		
258.1	Original	302	1st		
259	2nd	303	4th		
260	Original	304	2nd*		
261	1st	305	6th*		
262	1st	305.1	1st		
263	2nd	306	11th*		
264	1st	306.1	10th*		
265	1st	306.2	1st		
266	1st	307	10th		
267	1st	308	Original		
268	1st	309	Original		
269	1st	310	2nd		
270	1st	311	2nd		
271	1st	312	2nd		
272	1st	313	2nd		
273	1st	314	3rd		
274	1st	315	2nd		
275	1st	316	2nd		
276	1st	317	2nd		
277	1st	318	2nd		
278	1st	319	2nd		
279	1st	320	2nd		
280	1st	321	2nd		
281	1st	322	4th*		
282	1st	323	1st		
283	1st	324	1st		
284	1st	325	1st		
285	1st	326	1st		
286	2nd	327	1st		
287	2nd	328	1st		
288	1st	329	1st		
289	3rd	330	1st		
290	3rd	331	3rd		
291	2nd	332	3rd		
292	3rd	333	4th		
293	2nd	334	3rd		
294	3rd*	335	4th*		
295	3rd*	336	4th*		
296	1st*	336.1	Original*		
297	3rd*				
298	1st*				

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7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.8 Shared Use High Capacity Services and OC-3/STM-1, OC-12/STM-4, OC-48/STM-16, and OC-192/STM-48 Services (Cont'd)

Switched Access Service rates and charges as set forth in 6.8 preceding will apply for each channel of the shared use facility that is used to provide a Switched Access Service including CCSAC signaling connections. The ordering, provisioning and rating of Switched Access Shared Use facilities is set forth in 6.7.14 preceding. Where Special Access Service is provided utilizing a channel of the shared use facility to a Hub, High Capacity and OC Service rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates and charges will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.)

The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply as set forth in 7.5 following.

7.4.9 Payment Plans for Frame Relay Service, Digital Data Service, MercNET 45, 1.544 High Capacity Services, OC Services, Shared SONET Service LAN Advantage Service and Wavelength Service.

The Optional Payment Plan (OPP) is a provision that allows a customer to pay a fixed rate for specific Frame Relay Service, Digital Data Service, MercNET 45, 1.544 High Capacity Service, OC-3/STM-1, OC-12/STM-4, OC-48/STM-16, OC-192/STM-64 Services, Shared SONET Service, LAN Advantage Service, Ethernet Service and Wavelength Service over a specified month payment period. OPP options are 36 and 60 months for Digital Data Service and Shared SONET Service; 12, 24, 36, 48, 60, and 84 months for DS1, DS3, OCN Point-to-Point OCN Dedicated Ring Services, Wavelength Service and Ethernet Service. (C)

During the effective term, monthly rates for services installed Under this arrangement will not be subject to Telephone Company initiated rate changes.

Frame Relay Service, Digital Data Service, MercNET 45, and 1.544 High Capacity, OC-3/STM-1, OC-12/STM-4, OC-48/STM-16 and OC-192/STM-64 Service rates, Shared SONET Service LAN Advantage Service and Wavelength Service charges for which the OPP is available are listed in 7.5.8, 7.5.9, 7.5.12, 7.5.13, 7.5.14, 18.6 19 and 21 following.

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7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.12 Discount Commitment Program (DCP)(A) General Description

The Discount Commitment Program (DCP) provides the customer with rate stabilization and discounted rates for Digital Data Service, 1.544 High Capacity Service, MercNET 45 Service, OCn Services, Shared SONET Service Wavelength Service and Ethernet Service. The customer agrees to a minimum service commitment per service when establishing a DCP. The rate elements by service are:

## Digital Data Service;

Channel Termination, Channel Mileage

## 1.544 High Capacity Service, MercNET 45 Service;

Channel Termination Channel Mileage, Multiplexing

## OCn Point-to-Point Service;

Channel Termination Channel Mileage, Add drop Multiplexing

## OCn Dedicated Ring Service;

Ports, Nodes, Channel Mileage, Add/Drop Multiplexing,  
Regenerators

## Wavelength Service, Ethernet Service;

Ports,

## Shared Sonet Service;

Network Access Connection, Off-Network Access Connection,  
Service Area Transport, DS3 Payload Multiplexing

Customers may disconnect or move Channel Terminations, Multiplexing, Network Access Connections, Off-Network Access Connections, Nodes or Ports and not be subject to Maximum Termination Liability charges as long as commitment Levels are maintained.

DCPs may be established by service and be of either 36 or 60 months duration for Digital Data and Shared SONET, 12, 24, 36, (C) 48, 60 or 84 months duration for 1.544 High Capacity, OCN Point-to-Point, OCN Dedicated Ring Services, Wavelength Services and Ethernet Services. (C)

A customer may have only one DCP per service in effect at one time. For example, a customer that has a 36-month DCP for Digital Data Service may not establish a second Digital Data Service until the current DCP expires.

Monthly rates for services installed under a DCP will change as Telephone Company-initiated rate changes become effective but during the DCP term will not exceed the original monthly rate in effect at the beginning of customer's DCP term.

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7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.13 OC-3/STM-1 Service, OC-12/STM-4 Service, OC-48/STM-16 Service  
and OC-192/STM-64 Service - Dedicated Ring\*

(A) Node								
USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.	
Per Node type								
OC-3/STM-1								
Customer Premises								
FP5CX	\$ 1,820.00	\$ 1,820.00(N)	\$ 1,610.00(N)	\$ 1,400.00	\$ 1,300.00	\$ 1,200.00	1,100.00	
Central Office								
FC5CX	1,300.00	1,300.00(N)	1,200.00(N)	1,000.00	950.00	900.00	830.00	
OC-12/STM-4								
Customer Premises								
FP5DX	2,990.00	2,990.00(N)	2,645.00(N)	2,300.00	2,150.00	2,000.00	1,850.00	
Central Office								
FC5DX	2,340.00	2,340.00(N)	2,070.00(N)	1,800.00	1,650.00	1,500.00	1,380.00	
OC-48/STM-16								
Customer Premises								
FP5	6,825.00	6,825.00(N)	6,040.00(N)	5,250.00	4,875.00	4,500.00	4,150.00	
Central Office								
FC5	5,200.00	5,200.00(N)	4,600.00(N)	4,000.00	3,625.00	3,250.00	3,000.00	
OC-192/STM-64								
Customer Premises								
GP5AX	13,650.00	13,650.00(N)	12,075.00(N)	10,500.00	9,750.00	9,000.00	8,280.00	
Central Office								
GC5AX	10,400.00	10,400.00(N)	9,200.00(N)	8,000.00	7,250.00	6,500.00	5,980.00	

\* One Year Minimum on all features and functions.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.13 OC-3/STM-1 Service, OC-12/STM-4 Service, OC-48/STM-16 Service  
and OC-192/STM-64 Service - Dedicated Ring (Cont'd)\*

## (C) Ports

	USOC	Monthly Per Node	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
DS1 at OC-3/STM-1 Node								
SPRAX	\$	59.00	\$ 59.00(N)	\$ 52.00(N)	\$ 45.00	\$ 43.00	\$ 40.00	\$ 35.00
DS3 at OC-3/STM-1 Node								
SPRBX		98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
OC-3/STM-1 at OC-3/STM-1 Node								
SPRDX		195.00	195.00(N)	173.00(N)	150.00	143.00	135.00	125.00
10mg at OC-3/STM-1 Node								
SPRNX		98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
100mg at OC-3/STM-1 Node								
SPROX		293.00	293.00(N)	259.00(N)	225.00	213.00	200.00	180.00
GigE at OC-3/STM-1 Node								
SPRPX		1,300.00	1,300.00(N)	1,150.00(N)	1,000.00	950.00	900.00	830.00
DS3 at OC-12/STM-4 Node								
SPRCX		98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
OC-3/STM-1 at OC-12/STM-4 Node								
SPREX		195.00	195.00(N)	173.00(N)	150.00	143.00	135.00	125.00
DS1 at OC-12/STM-4 Node**								
SPRGX		59.00	59.00(N)	52.00(N)	45.00	43.00	40.00	35.00
OC-12/STM-4 at OC-12/STM-4 Nd								
SPRFX		585.00	585.00(N)	518.00(N)	450.00	428.00	405.00	375.00
10mg at OC-12/STM-4 Node								
SPRRX		98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
100mg at OC-12/STM-4 Node								
SPRSX		293.00	293.00(N)	259.00(N)	225.00	213.00	200.00	180.00
GigE at OC-12/STM-4 Node								
SPRPX		1,300.00	1,300.00(N)	1,150.00(N)	1,000.00	950.00	900.00	830.00
OC-12/STM-4 at OC-48/STM-16 Nd								
SPRHX		585.00	585.00(N)	518.00(N)	450.00	428.00	405.00	375.00
OC-3/STM-1 at OC-48/STM-16 Nd								
SPRJX		195.00	195.00(N)	173.00(N)	150.00	150.00	135.00	125.00
DS3 at OC-48/STM-16 Node								
SPRKX		98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
DS1 at OC-48/STM-16 Node**								
SPRLX		59.00	59.00(N)	52.00(N)	45.00	43.00	40.00	35.00
OC-48/STM-16 at OC-48/STM-16								
SPRMX		1,235.00	1,235.00(N)	1,092.00(N)	950.00	925.00	900.00	830.00
10mg at OC-48/STM-16 Node								
SPRVX		98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
100mg at OC-48/STM-16 Node								
SPRWX		293.00	293.00(N)	259.00(N)	225.00	213.00	200.00	180.00
GigE at OC-48/STM-16 Node								
SPRPX		1,300.00	1,300.00(N)	1,150.00(N)	1,000.00	950.00	900.00	830.00
OC-3/STM-1 at OC-192/STM-64 Nd								
S9NEX		195.00	195.00(N)	173.00(N)	150.00	143.00	135.00	125.00

\* One Year Minimum on all features and functions.

\*\* Optical to Electrical DS1 add/drop capability as shown in 7.2.12 is needed along with an OC-3/STM-1 port. (Not available with OC-192/STM-64 Dedicated Ring Service).

(C)

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and OC-192/STM-64 Service - Dedicated Ring (Cont'd)\*

## (C) Ports

USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
OC-12/STM-4 at OC-192/STM-64							
S9NGX	585.00	585.00(N)	518.00(N)	450.00	428.00	405.00	375.00
OC-48/STM-16 at OC-192/STM-64							
S9NJX	1,235.00	1,235.00(N)	1,092.00(N)	950.00	925.00	900.00	830.00
OC-192/STM-64 at OC-192/STM-64							
SPR9X	2,470.00	2,470.00(N)	2,185.00(N)	1,900.00	1,850.00	1,800.00	1,660.00
DS3 at OC-192/STM-64 Node							
SPRXX	98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
DS1 at OC-192/STM-64 Node							
SPR1X	59.00	59.00(N)	52.00(N)	45.00	43.00	40.00	35.00
10mg at OC-192/STM-64 Node							
SPRVX	98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
100mg at OC-192/STM-64 Node							
SPRWX	293.00	293.00(N)	259.00(N)	225.00	213.00	200.00	180.00
GigE at OC-192/STM-64 Node							
SPRPX	1,300.00	1,300.00(N)	1,150.00(N)	1,000.00	950.00	900.00	830.00
ISP Connection							
LVP	100.00	100.00(N)	100.00(N)	100.00	100.00	100.00	100.00
Private Virtual Circuit/VLAN							
PVCAX	52.00	52.00(N)	46.00(N)	40.00	40.00	40.00	40.00

## (D) Mileage

## Per mile between nodes by ring type

OC-3/STM-1							
1A5BS	260.00	260.00(N)	230.00(N)	150.00	175.00	150.00	140.00
OC-12/STM-4							
1A5BS	260.00	260.00(N)	230.00(N)	200.00	175.00	150.00	140.00
OC-48/STM-16							
1A5BS	260.00	260.00(N)	230.00(N)	200.00	175.00	150.00	140.00
OC-192/STM-64							
1A5BS	260.00	260.00(N)	230.00(N)	200.00	175.00	150.00	140.00

## (E) Optical to Electrical

## DS1 Add/Drop Capability

## Per OC-3/STM-1 to DS1 Add/Drop

MXJDX	1,495.00	1,495.00(N)	1,323.00(N)	1,150.00	1,125.00	1,100.00	1,015.00
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\* One Year Minimum on all features and functions.

(C)

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.13 OC-3/STM-1 Service, OC-12/STM-4 Service, OC-48/STM-16 Service  
and OC-192/STM-64 Service - Dedicated Ring (Cont'd)\*

## (F) Dedicated Ring

## Regenerator

USOC	Monthly	12 Mo.	24Mo.	36 Mo.	48 Mo.	60. Mo.	84 Mo.
------	---------	--------	-------	--------	--------	---------	--------

## OC-3/STM-1

Each (as required)

RGY	\$1,300.00	1,300.00(N)	1,200.00(N)	\$1,000.00	\$ 950.00	\$ 900.00	\$ 830.00
-----	------------	-------------	-------------	------------	-----------	-----------	-----------

## OC-12/STM-4

Each (as required)

RGY	2,080.00	2,080.00(N)	1,840.00(N)	1,600.00	1,550.00	1,500.00	1,380.00
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## OC-48/STM-16

Each (as required)

RGY	3,640.00	3,640.00(N)	3,220.00(N)	2,800.00	2,750.00	2,700.00	2,485.00
-----	----------	-------------	-------------	----------	----------	----------	----------

## OC-192/STM-64

Each (as required)

RGY	7,280.00	7,280.00(N)	6,440.00(N)	5,600.00	5,500.00	5,400.00	4,970.00
-----	----------	-------------	-------------	----------	----------	----------	----------

\* One Year Minimum on all features and functions.

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## ACCESS SERVICE

18. LAN Advantage Frame Relay<sup>SM</sup> Service\* (C)18.1 Service Description

LAN Advantage Frame Relay<sup>SM</sup> Service known as Frame Relay is a packet network that permits the transmission of data at speeds of 56 Kbps, 64 Kbps, 112 Kbps, 128 Kbps, 192 Kbps, 256 Kbps, 320 Kbps, 384 Kbps, 512 Kbps, 768 Kbps and 1.536 Mbps using Permanent Virtual

PVCs refers to as a permanent, software defined communication path established through a frame or packet network. The connection is analogous to a dedicated wire route. Frames or packets are routed through the connections.

When in operation, customer premises equipment (CPE), such as routers, encapsulate arriving data into variable length frames. These frames contain information identifying which PVC in the network should be used to forward the frame to the proper destination. The CPE then sends the frame into the Frame Relay network. The Frame Relay Switch reads identifying the information routes the frame to the proper destination based on a pre-established PVC.

Frame Relay Service conforms to Consultative Committee for International Telegraph and Telephone (CCITT) and American National Standards Institute (ANSI) publications T1.602, T1.606, T1.617, and T1.618.

18.2 Service Provisioning

LAN Advantage Frame Relay<sup>SM</sup> Service known as Frame Relay is a transport service that facilitates the exchange of variable length information units (frames) between end customer connections by way of assigned Permanent Virtual connections (PVCs).

Frame Relay also ensures network efficiency by means of the Committed Information Rate (CIR). Frame Relay is offered at CIR using 0% to 100% of the physical interface speed. The CIR specifies the percentage of the physical rate that is guaranteed to go through the network. CIR at 100% means that all traffic sent to the network is guaranteed to go through the network. The other is marked as Discard Eligible and will be sent through the network as space is available. CIR at 0% means that all data transmitted to the network is relying on the extra space available in the network. Because of the nature of data traffic, space will general become available, but it may take some retransmission over the network.

\* Grandfathered beginning September 13, 2013. Current Customers may maintain their service rate structure until their contract expires.

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## ACCESS SERVICE

18. LAN Advantage Frame Relay<sup>SM</sup> Service\* (Cont'd)

(C)

18.2 Service Provisioning (Cont'd)

Variable frame length capability is useful in communications between synchronous Local Area Networks (LAN) and for transport of synchronous data traffic. Frame Relay is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.

CBT does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer originated data.

Frame Relay is provided to the customer in the form of the Frame Relay User-to-Network Interface (UNI) Port with Access Line, or Frame Relay UNI Port Only, Frame Relay Network-to-Network (NNI) Port only, and Permanent Virtual Connections. The Frame Relay Access Line forms the component which provides the customer access to the Customer's serving wire center and interoffice transport from the customer's serving wire center to the Frame Relay Switch. The Frame Relay Access line is provided for use only with Frame Relay Service. The Frame Relay UNI and NNI Port Only are provided for Digital and High Capacity connections to the network supporting Frame Relay Service. The Digital and High Capacity connections are available from Section 7.

PVCs are provisioned on either 56 Kbps, 64 Kbps, 112 Kbps, 128 Kbps, 192 Kbps, 256 Kbps, 320 Kbps, 384 Kbps, 512 Kbps, 768 Kbps and 1.536 Mbps ports, depending upon the customer's networking requirements. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed. Since all PVCs need not be in use at the same time, it is possible for the total bandwidth of all PVCs associated with one Frame Relay Access Line to exceed the bandwidth of that Frame Relay Access Line. This relationship is referred to as over-subscription and when this occurs, there can be no guarantee that the bandwidth defined for that PVC will be available at any point in time. Bandwidth refers to the sum of Committed Information Rate (CIR) and Excess Information Rate (EIR). The CIR is ordered and billed. EIR equals the bit rate of the access line minus the CIR, except when connecting to an NNI, where the EIR is specified by the customer.

No PVC can have a greater bit rate than the bit rate of the associated access line.

\* Grandfathered beginning September 13, 2013. Current Customers may maintain their service rate structure until their contract expires.

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## ACCESS SERVICE

18. LAN Advantage Frame Relay<sup>SM</sup> Service\* (Cont'd) (C)18.2 Service Provisioning (Cont'd)

A customer subscribing to a Frame Relay port or port with access line will be referred to as the Controller of the Frame Relay Port. A customer may request data transmission capability to another customer. Both customers must have a Frame Relay Access Line and Frame Relay Port. The Controller of each Frame Relay Access Line that says "ordering PVC's" must have written permission from the Controller(s) of each of the Frame Relay Access Lines to which a PVC is requested.

Frame Relay Port and PVC may be ordered independently and can have different customers as Controllers.

Frame Relay Service is available only where facilities and conditions permit.

18.3 Undertaking of the Telephone Company

In addition to the general regulations described in Section 2, when a customer orders a PVC which is relayed to other Local Exchange Carriers, Interexchange Carriers or other Frame Relay networks, the Telephone Company will provide assistance in establishing this PVC.

CBT has the service responsibility up to and including the demarcation point.

18.4 Obligations of the Customer

In addition to the general regulations described in Section 2, the following regulation will also apply.

The customer shall be responsible for obtaining permission for CBT employees to enter the premises of the customer at any reasonable hour for the purpose of installing, inspecting, repairing or upon termination of the service, removing the components of CBT.

The customer, upon request, shall furnish such information as may be required to permit CBT to design and maintain the Frame Relay Service it offers and to assure that the service arrangement is in compliance with the regulations contained herein.

It shall be the responsibility of the customer to ensure the continuing compatibility of the customer provided equipment that is used in conjunction with the Frame Relay Service.

\* Grandfathered beginning September 13, 2013. Current Customers may maintain their service rate structure until their contract expires.

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## ACCESS SERVICE

18. LAN Advantage Frame Relay<sup>SM</sup> Service\* (Cont'd) (C)18.5 Rate Regulations

Regulations in this section are applicable to Frame Relay Service and are in addition to regulations in other sections of the tariff.

Frame Relay Service optional payment plan (OPP) and minimum period charge is specified in 7.4.9.

When PVCs and CIRs per Kilobit are added to existing Frame Relay Service, the minimum period for the added PVCs is coterminous to the payment plan.

Frame Relay will be available 24 hours per day, 7 days per week, except for preventive maintenance, enhancements, and/or repair. CBT reserves the right to perform these tasks as needed, on off peak hours, generally on Sundays from 2:00 a.m. to 6:00 a.m.

Frame Relay Service consist of the following Rate Elements:

## (A) Frame Relay UNI Port and Access Line

A monthly rate based on the speed of the port connection (i.e., 56 Kbps, 64 Kbps, 112 Kbps, 128 Kbps, 192 Kbps, 256 Kbps, 320 Kbps, 384 Kbps, 512 Kbps, 768 Kbps, or 1.536 Mbps), apply per port for each physical connection to the network supporting Frame Relay Service.

## (B) Frame Relay UNI or NNI Port only

A monthly rate based on the speed of the port connection (i.e. 56 Kbps, 64 Kbps, 112 Kbps, 128 Kbps, 192 Kbps, 256 Kbps, 320 Kbps, 384 Kbps, 512 Kbps, 768 Kbps, or 1.536 Mbps), apply per port for each Frame Relay Access Line to the network supporting Frame Relay Service.

## (C) Frame Relay PVC and CIR

A monthly rate apply for each PVC and for each CIR/Kilobit.

\* Grandfathered beginning September 13, 2013. Current Customers may maintain their service rate structure until their contract expires.

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## ACCESS SERVICE

18. LAN Advantage Frame Relay<sup>SM</sup> Service\* (Cont'd) (C)18.5 Rate Regulations (Cont'd)

Frame Relay Service rate application is as follows:

- (A) A customer may access Frame Relay Service via a Frame Relay Access Line or via Telephone Company provided digital access facilities offered under Section 7. If a customer utilizes a special access line to access Frame Relay Service, the associated regulations, rates and charges for such facilities shall apply in addition to the rates and charges associated with the Frame Relay Service rate elements.
- (B) A customer utilizing special access facilities to access Frame Relay Service would incur the monthly rate associated with the Frame Relay UNI or NNI Port Only charge set forth under 18.6.B or 18.6.C respectively for standard arrangements. The UNI Port provides for a user to carrier connection; the NNI Port provides for a carrier-to-carrier connection.
- (C) The Frame Relay Access Line and PVC may be ordered and billed independently and can have different Controllers, as discussed under 18.2. A request by one customer to discontinue a PVC does not result in the disconnection of the Frame Relay Access Line may authorize a disconnect of that line.

\* Grandfathered beginning September 13, 2013. Current Customers may maintain their service rate structure until their contract expires.

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## ACCESS SERVICE

18. LAN Advantage Frame Relay<sup>SM</sup> Service\* (Cont'd) (C)18.6 Rates and Charges(A) Frame Relay UNI Port and Access Line, each

		Month-to-	36	60
	USOC	Month	Month	Month
56 Kbps	FEZFFZ	\$115.00	\$110.00	\$105.00
64 Kbps	FEZAZ	\$115.00	\$110.00	\$105.00
112 Kbps (2-wire)	FEZGZ	\$150.00	\$140.00	\$130.00
112 Kbps (4-wire)	FEZHZ	\$310.00	\$300.00	\$290.00
128 Kbps (2-wire)	FEZBZ	\$150.00	\$140.00	\$130.00
128 Kbps (4-wire)	FEZJZ	\$310.00	\$300.00	\$290.00
192 Kbps	FEZMZ	\$350.00	\$340.00	\$330.00
256 Kbps	FEZKZ	\$400.00	\$390.00	\$380.00
320 Kbps	FEZNZ	\$450.00	\$440.00	\$430.00
384 Kbps	FEZCZ	\$485.00	\$475.00	\$465.00
512 Kbps	FEZLZ	\$505.00	\$495.00	\$485.00
768 Kbps	FEZDZ	\$515.00	\$505.00	\$495.00
1.536 Mbps	FEZEZ	\$545.00	\$535.00	\$525.00

CIR/Kilobit

56 Kbps	FEZFC	\$ .50	\$ .50	\$ .50
64 Kbps	FEZAC	.50	.50	.50
112 Kbps	FEZGC	.35	.35	.35
128 Kbps	FEZBC	.35	.35	.35
192 Kbps	FEZMC	.32	.32	.32
256 Kbps	FEZKC	.30	.30	.30
320 Kbps	FEZNC	.25	.25	.25
384 Kbps	FEZCG	.15	.15	.15
512 Kbps	FEZLC	.25	.25	.25
768 Kbps	FEZDC	.10	.10	.10
1.536 Mbps	FEZEC	.05	.05	.05
Each PVC	PVKXZ	\$ 2.00	\$ 2.00	\$ 2.00

(B) Frame Relay UNI Port Only, each

56 Kbps	FSZFFZ	\$ 60.00	\$ 50.00	\$ 40.00
64 Kbps	FSZAZ	\$ 60.00	\$ 50.00	\$ 40.00
112 Kbps	FSZGZ	\$ 110.00	\$105.00	\$ 95.00
128 Kbps	FSZBZ	\$ 110.00	\$105.00	\$ 95.00
192 Kbps	FSZMZ	\$ 150.00	\$140.00	\$130.00
256 Kbps	FSZKZ	\$ 160.00	\$150.00	\$140.00
320 Kbps	FSZNZ	\$ 180.00	\$170.00	\$160.00
384 Kbps	FSZCZ	\$ 200.00	\$190.00	\$180.00
512 Kbps	FSZLZ	\$ 250.00	\$240.00	\$230.00
768 Kbps	FSZDZ	\$ 320.00	\$310.00	\$300.00
1.536 Mbps	FSZEZ	\$ 450.00	\$440.00	\$430.00

\* Grandfathered beginning September 13, 2013. Current Customers may maintain their service rate structure until their contract expires.

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## ACCESS SERVICE

18. LAN Advantage Frame Relay<sup>SM</sup> Service\* (Cont'd)

(C)

18.6 Rates and Charges(B) Frame Relay UNI Port Only, each (cont'd)CIR/Kilobit

56 Kbps	FSZFC	\$	.50	\$	.50	\$	.50
64 Kbps	FSZAC		.50		.50		.50
112 Kbps	FSZGC		.35		.35		.35
128 Kbps	FSZBC		.35		.35		.35
192 Kbps	FSZMC		.32		.32		.32
256 Kbps	FSZKC		.30		.30		.30
320 Kbps	FSZNC		.25		.25		.25
384 Kbps	FSZCC		.25		.25		.25
512 Kbps	FSZLC		.25		.25		.25
768 Kbps	FSZDC		.21		.21		.21
1.536 Mbps	FSZEC		.05		.05		.05
Each PVC	PVKXZ	\$	2.00	\$	2.00	\$	2.00

(C) Frame Relay NNI Port Only, each

56 Kbps	NN7FZ	\$	60.00	\$	50.00	\$	40.00
64 Kbps	NN7AZ	\$	60.00	\$	50.00	\$	40.00
112 Kbps	NN7GZ	\$	110.00	\$	105.00	\$	95.00
128 Kbps	NN7BZ	\$	100.00	\$	105.00	\$	95.00
192 Kbps	NN7MZ	\$	150.00	\$	140.00	\$	130.00
256 Kbps	NN7KZ	\$	160.00	\$	150.00	\$	140.00
320 Kbps	NN7NZ	\$	180.00	\$	170.00	\$	160.00
384 Kbps	NN7CZ	\$	200.00	\$	190.00	\$	180.00
512 Kbps	NN7LZ	\$	250.00	\$	240.00	\$	230.00
768 Kbps	NN7DZ	\$	320.00	\$	310.00	\$	300.00
1.536 Mbps	NN7EZ	\$	450.00	\$	440.00	\$	430.00
Each PVC	PVKXZ	\$	2.00	\$	2.00	\$	2.00

\* Grandfathered beginning September 13, 2013. Current Customers may maintain their service rate structure until their contract expires.

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## ACCESS SERVICE

19. Cincinnati Bell Ethernet Service19.4 Rate Regulations (Con't)

Upon completion of the term payment plan contract the customer may renew their contract at the current, tariffed rates. If customer does not renew their contract prior to the expiration date and does not elect to discontinue Cincinnati Bell Ethernet Service, CBT will furnish Cincinnati Bell Ethernet Service to the Customer as specified in the contract on a month-to-month basis at the current, monthly tariffed rates (which will be subject to company initiated rate changes).

If customer elects a new term payment plan, prior to the expiration of their current contract, the monthly charges will be adjusted to the current tariffed rates in effect at the time of renewal. There will be no credits or refunds made to the Customer for payments made under the previous contract term, but nonrecurring charges will not be reapplied. If Customer reduces the number of ports in service, then termination charges will be applied for the removed service. Customer may not elect a term payment plan that is shorter than the remainder of the current term payment plan.

Within like service types, customer may upgrade to a higher speed service or downgrade to a lower speed service without incurring termination charges.

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## ACCESS SERVICE

19. Cincinnati Bell Ethernet Service19.4 Rate Regulations (Con't)

(D)

(D)

Customer may move the location of its Cincinnati Bell Ethernet Service to a location where sufficient central office capacity and outside plant facilities are available and retain the current monthly rates, but initial nonrecurring charges will be reapplied. The termination charges specified in Section 7.4.5 are applicable if Customer terminates because of a move to a location where sufficient central office capacity or outside plant facilities are not available.

Customer has the option of purchasing route Diversity. There are 3 types:

- Diverse Route - Same Central Office. Separate routes from the Customer premises to the Central Office.
- Diverse Central Office - Shared Central Office - Separate route from Customer premise passing through the serving Central Office and terminating in an alternate Central Office.
- Diverse Central Office - Separate path to separate central offices.

Customer has the option of providing their own premises Equipment or Purchasing the Premises Equipment from the Company. Rates are shown in Section 19.6 following.

Customer has available option of purchasing redundant Premise Equipment if the Customer has purchased Premise Equipment from the Company. Rates are shown in Section 19.6 following.

Customer has available option of purchasing Redundant Premise Power from the Company. Rates are shown in Section 19.6 following.

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## ACCESS SERVICE

## 19. Cincinnati Bell Ethernet Service

## 19.6 Rates and Charges

## Electrical Port Type (Per Port)

Type of Service	Nonrec Charge	Monthly	24 Mo.	Monthly Rates				84 Mo.	USOC
				36 Mo.	48 Mo.	60 Mo.			
Unprotected Ports									
CIR 1.544 Mbps with									
1.5 Mpps Access									
(Per port)	250.00	375.00	363.75	348.75	337.50	330.00	300.00	LVZAH	(T) (C)
CIR 3 Mbps with									
3 Mbps Access									
(Per port)	1000.00	525.00	509.25	488.25	472.50	462.00	425.00	LVZAS	(T) (C)
CIR 4.5 Mbps with									
4.5 Mbps Access									
(Per port)	1000.00	637.50	618.38	592.88	573.75	561.00	525.00	LVZAV	(T) (C)
CIR 5 Mbps with									(N)
6 Mbps Access									
(Per Port)	1000.00	768.75	745.50	715.00	692.00	676.50	562.50	LVZAY	(N)
CIR 6 Mbps with									
6 Mbps Access									
(Per Port)	1000.00	900.00	873.00	837.00	810.00	792.00	600.00	LVZAW	(T) (C)
CIR 10 Mbps with									
100 Mbps Access									
(Per port)	1000.00	675.00	654.75	627.75	607.50	594.00	400.00	LVZAU	(T) (C)
CIR 20 Mbps with									
100 Mbps Access									
(Per port)	1000.00	750.00	725.00	700.00	675.00	650.00	425.00	LVZE7	
CIR 50 Mbps with									
100 Mbps Access									
(Per port)	1000.00	950.00	925.00	900.00	875.00	851.00	550.00	LVZE8	
CIR 100 Mbps with									
1 Gbps Access									
(Per port)	1000.00	1350.00	1309.50	1255.50	1215.00	1188.00	750.00	LVZA1	(T) (C)
CIR 200 Mbps with									
1 Gbps Access									
(Per port)	1100.00	1500.00	1447.50	1387.50	1342.50	1312.50	855.00	LVZA2	(T) (C)
CIR 300 Mbps with									#
(Per port)	1150.00	1650.00	1586.25	1518.75	1470.00	1436.25	945.00	LVZA3	(T) (C)

Note 1: Nonrecurring charge applies when VLAN is installed subsequent to a port installation.  
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## ACCESS SERVICE

19. Cincinnati Bell Ethernet Service19.6 Rates and Charges

Electrical Port Type (Per Port)

<u>Type of Service</u>	Nonrec		Monthly Rates						<u>USOC</u>
	<u>Charge</u>	<u>Monthly</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>		
Unprotected Ports									
CIR 400 Mbps with									
1 Gbps Access									
(Per port)	1200.00	1800.00	1725.00	1650.00	1597.50	1560.00	1025.00	LVZA4	(T) (C)
CIR 500 Mbps with									
1 Gbps Access									
(Per port)	1250.00	1950.00	1863.75	1781.25	1725.00	1683.75	1095.00	LVZA5	(T) (C)
CIR 600 Mbps with									
1 Gbps Access									
(Per port)	1300.00	2100.00	2002.50	1912.50	1852.50	1807.50	1175.00	LVZA6	(T) (C)
CIR 700 Mbps with									
1 Gbps Access									
(Per port)	1350.00	2250.00	2141.25	2043.75	1980.00	1931.25	1255.00	LVZA7	(T) (C)
CIR 800 Mbps with									
1 Gbps Access									
(Per port)	1400.00	2400.00	2280.00	2175.00	2107.50	2055.00	1350.00	LVZA8	(T) (C)
CIR 900 Mbps with									
1 Gbps Access									
(Per port)	1450.00	2550.00	2418.75	2306.25	2235.00	2178.78	1425.00	LVZA9	(T) (C)
CIR 1 Gbps with									
1 Gbps Access									
(Per port)	1500.00	2625.00	2546.25	2441.25	2362.50	2310.00	1450.00	LVZAO	(T) (C)
2 Gbps*									
(Per Initial port)	1500.00	2958.33	2867.50	2753.33	2662.50	2595.00		LVZCP	
(Per Add'l port)	1500.00	2958.00	2867.50	2753.33	2662.50	2595.00		LVZCD	
CIR 10 Gbps with									
10 Gbps Access									
(Per port)	1500.00	5625.00	5437.50	5250.00	5062.50	4875.00	3500.00	LVZAP	(T) (C)

\* Grandfathered beginning May 28, 2011. This service is no longer available to new customers. Current customers may maintain their service until their contract expires.

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## ACCESS SERVICE

21 Wavelength Service (Cont'd)21.4 Rates and Charges Cont'd)(A) Ports Point-to Point Service (Cont'd)

Per Port/Per circuit termination location

	USOC	12 Month	24 Month	36 Month	48 Month	60 Month	84 Month	
1 Gbps Ethernet								
- protected channel								
PROFD	5,250.00	5,092.50	4,882.50	4,725.00	4,620.00	2,900.00		
- unprotected channel								
UNPFD	2,625.00	2,546.25	2,441.25	2,362.50	2,310.00	1,450.00		
10 Gbps Ethernet								
- protected channel								
PROGD	11,250.00	10,875.00	10,500.00	10,125.00	9,750.00	7,000.00		
- unprotected channel								
UNPGD	5,625.00	5,437.50	5,250.00	5,062.50	4,875.00	3,500.00		
40 Gbps OC768 & OTU3/STM 256								(N)
- protected channel								
PROHD	45,000.00	35,000.00	26,250.00	25,326.00	24,350.00	17,500.00		
- unprotected channel								
UNPHD	22,500.00	17,500.00	13,125.00	12,663.00	12,175.00	8,750.00		
100 Gbps Ethernet								
- protected channel								
PROJD	99,500.00	55,000.00	39,400.00	38,000.00	36,500.00	26,250.00		
- unprotected channel								
UNPJD	49,750.00	27,500.00	19,700.00	19,000.00	18,250.00	13,125.00	(N)	

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Vice President  
221 east Fourth Street  
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## ACCESS SERVICE

23 Pricing Flexibility Special Access Service (cont'd)23.3 Rates and Charges (cont'd)

## (M) Dedicated Ring Node

	<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>
Per Node type								
OC-3/STM-1								
Customer Premises								
FP5C4	\$	1,820.00	\$ 1,820.00(N)	\$ 1,610.00(N)	\$ 1,400.00	\$ 1,300.00	\$ 1,200.00	\$ 1,100.00
Central Office								
FC5C4		1,300.00	1,300.00(N)	1,200.00(N)	1,000.00	950.00	900.00	830.00
OC-12/STM-4								
Customer Premises								
FP5D4		2,990.00	2,990.00(N)	2,645.00(N)	2,300.00	2,150.00	2,000.00	1,850.00
Central Office								
FC5D4		2,340.00	2,340.00(N)	2,070.00(N)	1,800.00	1,650.00	1,500.00	1,380.00
								(D)
								(D)
	<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>
OC-48/STM-16								
Customer Premises								
FP4		6,825.00	6,825.00(N)	6,040.00(N)	5,250.00	4,875.00	4,500.00	4,150.00
Central Office								
FC4		5,200.00	5,200.00(N)	4,600.00(N)	4,000.00	3,625.00	3,250.00	3,000.00
OC-192/STM-64								
Customer Premises								
GP5A4		13,650.00	13,650.00(N)	12,075.00(N)	10,500.00	9,750.00	9,000.00	8,280.00
Central Office								
GC5A4		10,400.00	10,400.00(N)	9,200.00(N)	8,000.00	7,250.00	6,500.00	5,980.00
								(D)
								(D)

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## ACCESS SERVICE

23 Pricing Flexibility Special Access Service (cont'd)23.3 Rates and Charges (cont'd)

## Dedicated Ring Ports

## Per Node

USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
DS1 at OC-3/STM-1 Node							
SPRA4	\$ 59.00	\$ 59.00(N)	\$ 52.00(N)	\$ 45.00	\$ 43.00	\$ 40.00	\$ 35.00
DS3 at OC-3/STM-1 Node							
SPRB4	98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
OC-3/STM-1 at OC-3/STM-1 Node							
SPRD4	195.00	195.00(N)	173.00(N)	150.00	143.00	135.00	125.00
10mg at OC-3/STM-1 Node							
SPRN4	98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
100mg at OC-3/STM-1 Node							
SPRO4	293.00	293.00(N)	259.00(N)	225.00	213.00	200.00	180.00
GigE at OC-48/STM-16 Node							
SPRP4	1,300.00	1,300.00(N)	1,200.00(N)	1,000.00	950.00	900.00	830.00
DS3 at OC-12/STM-4 Node							
SPRC4	98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
OC-3/STM-1 at OC-12/STM-4 Node							
SPRE4	195.00	195.00(N)	173.00(N)	150.00	143.00	135.00	125.00
DS1 at OC-12/STM-4 Node**							
SPRG4	59.00	59.00(N)	52.00(N)	45.00	43.00	40.00	35.00
OC-12/STM-4 at OC-12/STM-4 Nd							
SPRF4	585.00	585.00(N)	518.88(N)	450.00	428.00	405.00	375.00
10mg at OC-12/STM-4 Node							
SPRR4	98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
100mg at OC-12/STM-4 Node							
SPRS4	293.00	293.00(N)	259.00(N)	225.00	213.00	200.00	180.00
GigE at OC-48/STM-16 Node							
SPRP4	1,300.00	1,300.00(N)	1,300.00(N)	1,000.00	950.00	900.00	830.00
OC-12/STM-4 at OC-48/STM-16 Nd							
SPRH4	585.00	585.00(N)	518.00(N)	450.00	428.00	405.00	375.00
OC-3/STM-1 at OC-48/STM-16 Nd							
SPRJ4	195.00	195.00(N)	173.00(N)	150.00	143.00	135.00	125.00
DS3 at OC-48/STM-16 Node							
SPRK4	98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
DS1 at OC-48/STM-16 Node**							
SPRL4	59.00	59.00(N)	52.00(N)	45.00	43.00	40.00	35.00
OC-48/STM-16 at OC-48/STM-16							
SPRM4	1,235.00	1,235.00(N)	1,092.00(N)	950.00	925.00	900.00	830.00
10mg at OC-48/STM-16 Node							
SPRV4	98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
100mg at OC-48/STM-16 Node							
SPRW4	293.00	293.00(N)	259.00(N)	225.00	213.00	200.00	180.00
GigE at OC-48/STM-16 Node							
SPRP4	1,300.00	1,300.00(N)	1,300.00(N)	1,000.00	950.00	900.00	830.00

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## ACCESS SERVICE

23 Pricing Flexibility Special Access Service (cont'd)23.3 Rates and Charges (cont'd)

## Dedicated Ring Ports

## Per Node

<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>
OC-3/STM-1 at OC-192/STM-64							
S9NE4	195.00	195.00(N)	173.00(N)	150.00	143.00	135.00	125.00
OC-12/STM-4 at OC-192/STM-64							
S9NG4	585.00	585.00(N)	518.00(N)	450.00	428.00	405.00	375.00
OC-48/STM-16 at OC-192/STM-64							
S9NJ4	1,235.00	1,235.00(N)	1,092.00(N)	950.00	925.00	900.00	830.00
OC-192/STM-64atOC-192/STM-64							
SPR94	2,470.00	2,470.00(N)	2,185.00(N)	1,900.00	1,850.00	1,800.00	1,660.00
DS3 at OC-192/STM-64 Node							
SPRX4	98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
DS1 at OC-192/STM-64 Node							
SPR14	59.00	59.00(N)	52.00(N)	45.00	43.00	40.00	35.00
10mg at OC-192/STM-64 Node							
SPRV4	98.00	98.00(N)	87.00(N)	75.00	73.00	70.00	65.00
100mg at OC-192/STM-64 Node							
SPRW4	293.00	293.00(N)	259.00(N)	225.00	213.00	200.00	180.00
GigE at OC-192/STM-64 Node							
SPRP4	1,300.00	1,300.00(N)	1,150.00(N)	1,000.00	950.00	900.00	830.00

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## ACCESS SERVICE

23 Pricing Flexibility Special Access Service (Cont'd)23.4 Rates and Charges Cont'd)

## Wavelength Service (Con't)

(A) Ports Point-to Point Service (Cont'd)

Per Port/Per circuit termination location

	<u>USOC</u>	<u>12 Month</u>	<u>24 Month</u>	<u>36 Month</u>	<u>48 Month</u>	<u>60 Month</u>	<u>84 Month</u>	
1 Gbps Ethernet								
- protected channel								
PROF4	5,250.00	5,092.50	4,882.50	4,725.00	4,620.00	2,900.00		
- unprotected channel								
UNPF4	2,625.00	2,546.25	2,441.25	2,362.50	2,310.00	1,450.00		
10 Gbps Ethernet								
- protected channel								
PROG4	11,250.00	10,875.00	10,500.00	10,125.00	9,750.00	7,000.00		
- unprotected channel								
UNPG4	5,625.00	5,437.50	5,250.00	5,062.50	4,875.00	3,500.00		
40 Gbps OC768 & OTU3/STM 256								(N)
- protected channel								
PROH4	45,000.00	35,000.00	26,250.00	25,326.00	24,350.00	17,500.00		
- unprotected channel								
UNPH4	22,500.00	17,500.00	13,125.00	12,663.00	12,175.00	8,750.00		
100 Gbps Ethernet								
- protected channel								
PROJ4	99,500.00	55,000.00	39,400.00	38,000.00	36,500.00	26,250.00		
- unprotected channel								
UNPJ4	49,750.00	27,500.00	19,700.00	19,000.00	18,250.00	13,125.00	(N)	

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