

HIGH CAPACITY DIGITAL SERVICE - DS1

A. GENERAL

Service is furnished on either a two-point basis between customer premises, or between another DS1-Type service provided in a C&P central office and a customer premises or between central offices for connection to other DS1-Type services. This service provides the simultaneous two-way transmission of serial, bi-polar, return-to-zero isochronous digital signals at a speed of 1.544 Megabits Per Second (Mbps).

B. TERMS AND CONDITIONS

1. Provision of Service

- a. A Channel Termination, when used at a transmission Speed of 1.544 Megabits Per Second, is a path for digital transmission furnished between the serving wire center and the customer's premises.
- b. High Capacity Digital Service-DS1 will consist of one of the following configurations:
 - (1) Where both customer-designated premises are served by the same wire center the service will consist of two Channel Terminations only.
 - (2) Where both customer-designated premises are served by different wire centers the service will consist of two Channel Terminations and Channel Mileage between the wire centers involved.
 - (3) Where the High Capacity Digital Service-DS1 connects a customer designated premises to central office services provided with DS1 interface (i.e., COLAN, Centrex) located in a serving wire center, the service will consist of one Channel Termination, and Channel Mileage as applicable.
 - (4) Where the High Capacity Digital Service-DS1 interconnects separate central office services provided with DS1 interfaces located in separate serving wire centers, the service will consist of Channel Mileage only.

2. Availability of Service

High Capacity Digital Service-DS1 is available throughout Maryland. C&P, at its discretion, may deploy different types of transmission technology and, in some areas, use redundant facilities to provide this service. Should a customer specifically request a type of technology other than what the Company might normally use to provision this service, Special Construction charges as stipulated in the Company's General Regulations Tariff, P.S.C. No. 201, apply. Should a customer request the use of redundant facilities in areas where they are not available at that time, Special Construction charges apply.

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B. TERMS AND CONDITIONS (Cont'd)

3. Interface and Performance specifications

High Capacity Digital Service-DS1 is provisioned with an electrical 4 wire interface at the customers's premises that complies with Bellcore Technical Publication TR-NPL-000054. Performance will be better than an Error Free Second rate of 99.0% over a 24 hour period. The customer's signal must comply with TR-NPL-000054 and they will be required to provide a suitable termination device - Channel Service Unit or equivalent.

4. Mileage Measurement

- a. The mileage to be used to determine the monthly rate for the Channel Mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designates premises would normally obtain dial tone.
- b. Mileage is shown in C. following in terms of a per mile structure. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the Exchange Carrier Association Tariff F.C.C. No. 4, and apply the rates. When the calculation results in a fraction of a mile, always round up to the next whole mile before applying the rates.
- c. All mileage between serving wire centers shall receive the application of one fixed mileage charge. The single recurring fixed mileage charge applies regardless of mileage length.

5. Optional Features and Functions

- a. Clear Channel Capability (CCC) - Provides the ability to utilize the full 64 kbps of each of the 24 channels as defined in the Technical Publication TR-NPL-000054. Customers must agree to an out-of-service period when this feature is added to an existing service.
- b. Extended Super Frame (ESF) - Allows the use of the framing signal for monitoring purposes as defined in TR-NPL-000054.

6. Minimum Revenue Guarantee

For circuits under contract discontinued prior to the end of the first year of the contract period, the customer will be liable for 100% of the total monthly charges at the then prevailing rate for the unexpired portion of the first year of the facility contract. In addition, the customer will be liable for 15% of the channel termination rate and 30% of the mileage rate for the remainder of the contract. For services discontinued after the first year, the customer will be liable for 15% of the channel termination rates and 30% of the mileage rates for the remainder of the contract period. Circuits remaining will either shift to a different plan or remain in the same plan as appropriate.

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B. TERMS AND CONDITIONS (Cont'd)

7. Minimum Revenue Guarantee (Cont'd)

A customer may avoid termination penalties when moving DS-1 services within the LATA or upgrading to another Company service as long as: 1. they are replacing other Company channels with an equal or higher channel capacity than those disconnected, and 2. they pay the appropriate nonrecurring charges to establish the new service, and 3. they accept a momentary discontinuance of the existing service, and 4. the new service is ordered at the same time as the service being disconnected, and 5. the term plan of the new service be of equal or greater length than the remaining commitment period of the service being disconnected.

C. RATES

1. The Clear Channel Capability (CCC) and Extended Super Frame (ESF) optional features have no recurring monthly charge. When these features are installed coincident with the DS1 service, there are no additional charges. When installed subsequent to an existing service, a charge equal to a channel termination nonrecurring charge will apply for each channel termination converted.

2. Moves

- a. When a customer or user requests a move or relocation of a Channel Termination, with no interruption of service, this move or relocation will be treated as a termination for the existing service and the establishment of a new service for the application of all charges.
- b. When a customer or user requests a move of a Channel Termination, on the same premises in the same building, and accepts an interruption to the service, incident to the work involved, a charge equal to the estimated costs incurred by the Company will apply.

3. Channel Termination	<u>Nonrecurring Charge</u>		Per Month	(I)	USOC
	First	Additional			
Per point of termination*...	\$610.56	\$273.36	\$1,646.90	(I)	1L7K4
4. Channel Mileage.....	<u>Per Month</u>		Per Mile	(I)	USOC
	Fixed Charge				
	\$366.04	(I)	\$219.64	(I)	1L7L4
5. Optional Features and Functions	<u>#Nonrecurring Charge</u>		Per Month		
a. Clear Channel Capability.....	\$610.56		-		
b. Extended Super Frame.....	610.56		-		

* Subject to a minimum revenue guarantee of 1 month.

Nonrecurring charges applicable to additions to existing service only.

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C. RATES (Cont'd)

6. Competitive pricing arrangements can be furnished to meet the communications needs of specific customers on a case-by-case basis under individual contracts. Contract rates will be priced above an established cost rate floor for the service and which is on file with the P.S.C. under proprietary agreement. The competitive pricing arrangement contracts, once executed, will also be filed with the P.S.C. under proprietary agreement.

7. Contract Pricing

Nonrecurring charges are as specified in 3., preceding.

a. Plan 1 - 1 Circuit

		Per Month	USOC
Channel Terminations			
2-Year Plan		\$235.13	1L7K4
3-Year Plan		232.03	1L7K4
5-Year Plan		216.56	1L7K4
Mileage			
		Per Month	
	Fixed	Per Mile	
2-Year Plan	\$52.25	\$31.35	1L7L4
3-Year Plan	51.56	30.93	1L7L4
5-Year Plan	48.13	28.88	1L7L4

b. Plan 2 - 2-4 Circuits

		Per Month	
Channel Terminations			
2-Year Plan		\$232.03	1L7K4
3-Year Plan		216.56	1L7K4
5-Year Plan		201.09	1L7K4
Mileage			
		Per Month	
	Fixed	Per Mile	
2-Year Plan	\$51.56	\$30.93	1L7L4
3-Year Plan	48.13	28.88	1L7L4
5-Year Plan	44.68	26.81	1L7L4

c. Plan 3 - 5-8 Circuits

		Per Month	
Channel Terminations			
2-Year Plan		\$216.56	1L7K4
3-Year Plan		201.09	1L7K4
5-Year Plan		185.63	1L7K4
Mileage			
		Per Month	
	Fixed	Per Mile	
2-Year Plan	\$48.13	\$28.88	1L7L4
3-Year Plan	44.68	26.81	1L7L4
5-Year Plan	41.25	24.75	1L7L4

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C. RATES (Cont'd)

7. Contract Pricing (Cont'd)

d. Plan 4 - 9-16 Circuits

	<u>Per Month</u>	<u>USOC</u>
Channel Terminations		
2-Year Plan	\$201.09	1L7K4
3-Year Plan	185.63	1L7K4
5-Year Plan	170.16	1L7K4
Mileage	<u>Per Month</u>	
	<u>Fixed</u> <u>Per Mile</u>	
2-Year Plan	\$44.68 \$26.81	1L7L4
3-Year Plan	41.25 24.75	1L7L4
5-Year Plan	37.81 22.68	1L7L4

e. Plan 5 - More than 16 Circuits

	<u>Per Month</u>	<u>USOC</u>
Channel Terminations		
2-Year Plan	\$185.63	1L7K4
3-Year Plan	170.16	1L7K4
5-Year Plan	154.68	1L7K4
Mileage	<u>Per Month</u>	
	<u>Fixed</u> <u>Per Mile</u>	
2-Year Plan	\$ 41.25 \$24.75	1L7L4
3-Year Plan	37.81 22.68	1L7L4
	34.38 20.63	1L7L4

HIGH CAPACITY DIGITAL SERVICE - DS1

D. High Capacity Digital Service - DS0 to DS1 Upgrade

(N)

1. General

High Capacity Digital Service - DS0 to DS1 Upgrade is only available to existing Verizon customers who are upgrading an existing DS0 service to a High Capacity Digital Service - DS1. Except as otherwise specified under this Section D, the terms and conditions in Sections A and B preceding apply. Verizon will assign the best available facilities for this service -- which is no longer limited to metallic facilities only. Note that customers that purchase this service cannot make moves or additions to this service subsequent to the initial upgrade as described in D.2.b.(ii) below. Customers that make moves or additions subsequent to the initial upgrade will no longer qualify for the rates shown in Section D.4 below.

2. Description

- a. The 1.544 Mbps channel is provided as a single, flat rated, transport service.
- b. High Capacity Digital Service - DS0 to DS1 Upgrade is provided on a two point basis only between a customer designated premises and customer designated premises.
 - i. Customer premise to wire center is not permitted. DS1 as a derived circuit from a higher level facility is not permitted.
 - ii. At least one end point of the DS1 Upgrade must be the same as one of the existing end points of the disconnected DS0 service.
- c. High Capacity Digital Service - DS0 to DS1 upgrade requires a one for one replacement; one DS0 circuit for one DS1 circuit and disconnection of the existing DS0 service.

3. Minimum Period - The minimum service period is one month.

4. Application of Rates and Charges

- a. Service Charges apply as described in Section C3 of this Product Guide.
- b. Flat rate transport - The service is provided as flat rate, transport from premise to premise. Inclusive of this flat rate, the customer will receive a channel termination at each designated customer location -- for a total of two channel terminations -- as well as any Inter-Office Facility Mileage which may apply.
- c. Rates

	<u>USOC</u>	<u>Per Month</u>
Per High Capacity Digital Service/ DS0-to-DS1 Circuit	XCBD4	\$189.00

(N)

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D. High Capacity Digital Service - DS0 to DS1 Upgrade

(N)

4. Application of Rates and Charges (Cont'd)

d. Optional Features

- i. Clear Channel Capability (CCC) - Non Recurring Charges will apply Per High Capacity Digital Service two point circuit- for CCC installed subsequent to the installation of replacement DS1 circuit. NRC will not apply if CCC ordered with DS1 circuit installation.
- ii. Extended Super Frame (ESF) - Non Recurring Charges will apply Per High Capacity Digital Service two point circuit- for ESF installed subsequent to the installation of replacement DS1 circuit. NRC will not apply if ESF ordered with DS1 circuit installation.

(N)