HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1

6.1.1 DESCRIPTION

1.544 Mbps Digital Service, DS-1 consists of two-point digital channels which provide for simultaneous two-way transmission of serial, bipolar, return-to-zero, isochronous digital signals at a transmission speed of 1.544 Mbps. Either Alternating Mark Inversion (AMI) or clear channel capability (B8ZS) line coding can be provided. Extended Super Frame Format (ESF) is available. These channels are furnished for use with customer-provided terminal equipment and communications systems. They are "pipeline" channels that have applications such as voice, data and video depending upon the customer's choice of terminal equipment.

A. SERVICE COMPONENTS

1. Local Distribution Channel

A Local Distribution Channel is a digital transmission path between the customer's premises and the serving central office.

2. Interoffice Channel

An Interoffice Channel is a path for digital transmission furnished between serving central offices.

3. Network Channel Terminating Equipment

Network Channel Terminating Equipment (NCTE) is required at all times at each customer's premises on a 1.544 channel. The NCTE must be furnished by the customer and performs such functions as; proper termination of the service, amplification, signal shaping and remote loop-back.

4. Transfer Arrangements (Optional)

The Transfer Arrangement function permits a customer to transfer an Interoffice Channel between two Local Distribution Channels served from the same central office.

A key activated control channel (Type 1011, or equivalent, as specified in 3. preceding) between the customer's control station and the serving central office is required to operate the arrangement.

5. Automatic Protection Capability (Optional)

The Automatic Protection Capability function monitors a Local Distribution Channel and automatically switches to a spare channel should the working channel fail.

A spare channel is not a part of the protection capability and is obtained separately at the rates and charges specified for a Local Distribution Channel.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.1 DESCRIPTION (Cont'd)
A. SERVICE COMPONENTS (Cont'd)

6. Clear Channel Capability (Optional)

Provides the ability to utilize the full 64 Kbps of each of the 24 channels with no constraints on the quantity or sequence of ones (mark) and zero (space) bits. This arrangement requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code as described in Technical Reference TR-000054.

7. Extended Superframe (Optional)

Allows the use of the framing signal for monitoring purposes. Extended Superframe extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 Kbps 193rd bit position pattern into three distinct functionalities: 2 Kbps for frame synchronization, 2 Kbps for cyclic redundancy checking, and 4 Kbps used for performance monitoring information.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)

6.1.2 TERMS OF SERVICE

A. RESPONSIBILITY OF THE COMPANY

The Company is only responsible for maintaining and repairing the facilities which it furnishes. The customer may not rearrange, disconnect, remove or attempt to repair any facilities installed by the Company.

The Company is not responsible for the installation, operation or maintenance of any terminal equipment or communications systems provided by the customer. The Company's responsibility shall be limited to the furnishing of telecommunication and data communication facilities suitable for 1.544 Mbps in a manner proper for such digital service.

The Company is not responsible to the customer if changes in any of the facilities, operations or procedures of the Company, utilized in the provision of this service, render any facilities provided by a customer obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance.

B. RESPONSIBILITY OF THE CUSTOMER

It is the customer's responsibility to ensure that the operating characteristics of his/her equipment shall not interfere with any of the services offered by the Company, nor endanger the safety of Company employees or the public.

C. LIMITATIONS

1.544 Mbps Digital Service, DS-1 is available only on a two-point basis and on a full-time basis (24 hours a day, 7 days a week).

The discount provisions Part A, Section 8.6.2.I and the temporary suspension of service provisions of Part 0, Section 2.1.2 are not applicable. (C) (C)

D. PERFORMANCE CRITERIA

1.544 Mbps Digital Service, DS-1 is designed to provide an average performance of at least 99% error-free-seconds of transmission measured over a continuous 24 hour period.

E. CANCELLATION OR CHANGE OF APPLICATION FOR SERVICE

Charges as specified in Part C, Section 2.4.4 apply.

F. TERMINATION LIABILITY

Each Digital Service Channel is subject to a two-month minimum service period except those sold under a customized contract or a Variable Pricing Plan.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.2 TERMS OF SERVICE (Cont'd)
F. TERMINATION LIABILITY (Cont'd)

A customer, by Billing Account, meeting the requirements, as described in this section, can subscribe to specific longer-term commitment periods, other than Month to Month, at reduced monthly rates as specified in 6.1.3 following.

Variable Pricing Plans are not applicable to service covered under any other Term, Quantity, or Special Pricing rate plans.

Three plans are available under an agreement for 2, 3, or 5 year periods. The quantity of circuits determines the Plan available to a customer. The Plans range in quantity as follows:

Plan #1	1 - 4	Circuits per LATA
Plan #2	5 - 8	Circuits per LATA
Plan #3	9 - 16	Circuits per LATA

When requesting a Pricing Plan the customer must specify the length of the desired commitment period and the services that are to be included in the plan.

At the end of the commitment period, the associated service(s) will revert to the month-to-month rates, existing at that time, unless the customer subscribes to a new commitment period.

Each Pricing Plan requires a separate agreement contract and is considered independent of all other pricing plans.

For service sold under a Variable Pricing Plan, termination liability payment is applicable when a service is disconnected, in full or in part, prior to the end of the selected commitment period or when the customer fails to comply with the required agreement conditions, except as specified following.

Changes in the customer's service which results in the removal of circuits from the Pricing Plan, without adding additional circuits to meet the plan's quantity requirements, is considered to be a termination of the agreement.

Termination liability will be computed as follows:

For discontinued service, the customer will be liable for 100% of the total monthly charges for any unexpired portion of the initial 12 months. In addition, the customer will be liable for 30% of the total monthly charges for the remaining portion of the commitment period.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.2 TERMS OF SERVICE (Cont'd)
F. TERMINATION LIABILITY (Cont'd)

A request to change to a longer commitment period will nullify the current termination liability. All terms and conditions of the new longer commitment period will apply.

Termination liability is not applicable if the customer requests an upgrade to a higher quantity plan and the new plan has a commitment period of equal or greater length than the existing plan.

Termination liability is not applicable if the customer requests to upgrade service to another Verizon New Jersey service of equal or greater bandwidth and meets all of the following conditions:

- The new service is provided between the same locations as the disconnected service.

- The new service is purchased under a long-term commitment equal to or greater than the remaining commitment period of the service being disconnected.

- The service orders for disconnecting the existing service and connecting the new service are received by the Company at the same time and have the same due dates.

Customers with an existing agreement who wish to increase the number of circuits have the following options:

- Subscribe to the additional service under the month-to-month payment plan.

- Subscribe to service under a separate Pricing Plan.

- If applicable, upgrade to a new Pricing Plan (e.g., Plan #1 to Plan #2) with a commitment period equal to or greater than the existing commitment period.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.2 TERMS OF SERVICE (Cont'd)

G. QUALITY ASSURANCE

Quality Assurance applies to High Capacity Service DS-1. The Company will credit 100% of the nonrecurring charge for these services when the initial due dates are not met, and where the responsibility for the failure is solely that of the Company.

The Company will not be held responsible for and consequently will not provide credit for service due dates missed in the following situations:

- The customer requests expedited orders.
- Other Telephone Companies are involved in service installation.
- The customer's premises is inaccessible.
- The customer changes interface requirements.
- The customer is not ready to accept the service.
- Building facilities are not ready (including space, cable support structures, building risers and facilities to be provided by builder or owner's subcontracted vendors).
- The customer orders termination beyond the Network Interface.
- Service installation delays caused by work stoppages, civil disturbances, criminal actions; or by fire, flooding or other occurrence attributed to an Act of God.
- Special Construction.

Any credit due the customer as a result of the Company's failure to meet the initial due date, other than those reasons specified herein, will be credited to the customer's monthly billing statement.

H. SERVICE GUARANTEE

Service Guarantee applies to High Capacity Service DS1. The Company will guarantee and credit a portion of the recurring charge for this service when the customer experiences an interruption of service of four (4) consecutive hours or more, where the responsibility for the failure is solely that of the Company.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.2 TERMS OF SERVICE (Cont'd)
H. SERVICE GUARANTEE (Cont'd)

The Service Guarantee credit may only apply to one (1) occurrence of service interruption of four (4) or more consecutive hours per month, per High Capacity Service DS1 circuit. In the event that there are more than one (1) service interruptions of four (4) or more hours on the same circuit, the Service Guarantee does not apply to the subsequent interruptions. For multi-point circuits, the Service Guarantee credit will apply to each leg of the circuit that experiences a service interruption. The Service Guarantee rate is applied to the customer bill in addition to any existing credit allowances for DS1 service as long as it does not exceed the monthly charge. The monthly charge will consist of all applicable rate elements charged to the circuit experiencing a service interruption.

Service interruptions for Federal Government and Specialized Service or Arrangements shall be administered in the same manner as those set forth in this section unless other terms of service are specified with the individual case filing.

The Company will not be held responsible for and consequently will not provide a credit for service interruption in the following situations:

- Interruptions caused by the negligence of the customer.

- Interruptions of a service due to the failure of equipment or systems provided by the customer or others.

- Interruptions of a service during any period in which the Company is not afforded access to the premises where the service is terminated.

All such credit allowances shall begin from the time of notice by the customer and provided that the customer releases the service as requested by the Company to perform testing and maintenance.

Any credit due the customer will be applied to the customer's monthly billing statement. The credit amount will equal 50% of the monthly recurring charge for each leg of the circuit that experiences a service interruption.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.2 TERMS OF SERVICE (Cont'd)

I. CUSTOMIZED DESIGN CONTRACT

The Customized Design Contract (CDC) permits the Company to develop customer-provided offerings for service arrangements.

High Capacity Digital Services and any associated optional components, as described in 6, may be offered at rates, charges, terms and conditions on a contract basis.

Rates, charges, terms and conditions for service under CDC will be set forth in a contract between the Company and the customer. Such a contract, except as otherwise expressly specified, will be subject to all applicable terms and conditions set forth in this Product Guide and other applicable Product Guide/tariffs.

Under no circumstances will the rates exceed established rates and charges set forth in this Product Guide (6.) and rates and charges shall exceed the costs of furnishing the service.

Rate treatment will be based on each customer's service characteristics and requirements.

Customers may obtain High Capacity Digital Service, DS-1, at discounted rates if they agree to longer term commitment periods and minimum circuit quantities as described in 6.1.3 following.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.2 TERMS OF SERVICE (Cont'd)

J. 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 – DS0 – DS1 UPDATE

Except as otherwise provided in this Section 6.1.2.J., the regulations applicable to 1.544 Mbps Digital Service, DS-1, set forth in 6.1 of this Part C, apply to customers who upgrade an existing DS0 Service to 1.544 Mbps Digital Service, DS-1 Service.

1. 1.544 Mbps Digital Service, DS-1 - DS0 to DS1 Upgrade is only available to existing Verizon customers who upgrade an existing DS0 service to a 1.544 Mbps Digital Service, DS-1 Service.

2. Customers who purchase this service cannot make moves, additions or changes subsequent to the initial upgrade.

3. 1.544 Mbps Digital Service, DS-1 - DS0 to DS1 Upgrade is provided on a two-point basis only between a customer-designated premises and customer-designated premises.

4. Customer premises to wire center is not permitted. DS1 as a derived circuit from a higher level facility is not permitted. (C)

5. 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.

6. 1.544 Mbps Digital Service, DS-1 - DS0 to DS1 Upgrade requires a one for one replacement; one DS0 for one DS1 and disconnect of the DS0 service.

7. The minimum service period is one month.

8. Service Charges apply as specified elsewhere in this Product Guide.

9. The service is provided as a flat rate transport from premises to premises that includes a channel termination at each designated customer location, for a total of two channel terminations, as well as any IOF which may apply.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.3 CIRCUIT COMPONENTS AND RATE TREATMENT

The circuit components for a 1.544 Mbps, DS-1 are:

A. LOCAL DISTRIBUTION CHANNEL - intraexchange channel between two customer premises in the same or different central office district and interexchange channel between two customer premises located in different exchanges

	Installation Charge	Monthly Rate	USOC
Local Distribution Channel (Two required, one for each premises at which the channel terminates) - each†#.....	$558.00	$ 2,666.60 (I)	1ROP2
Term and Quantity Pricing			
2 Year Plan			
1-4 circuits.....	558.00	1,306.63	OXCAS
5-8 circuits.....	558.00	1,293.32	OXCDS
9-16 circuits.....	558.00	1,266.72	OXCGS
3 Year Plan			
1-4 circuits.....	558.00	1,266.72	OXCBS
5-8 circuits.....	558.00	1,226.65	OXCES
9-16 circuits.....	558.00	1,199.95	OXCHS
5 Year Plan			
1-4 circuits.....	558.00	1,199.95	OXCCS
5-8 circuits.....	558.00	1,160.04	OXCFS
9-16 circuits.....	558.00	1,133.31	OXCJS

† Subject to a two-month minimum service period.
# Requires customer-provided Network Channel Terminating Equipment, per Local Distribution Channel.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.3 CIRCUIT COMPONENTS AND RATE TREATMENT (Cont'd)

The circuit components for a 1.544 Mbps, DS-1 are: (Cont'd)

B. Interoffice Channel – Intraexchange

Intraexchange channel between two customers located in different central office districts

	Monthly Rate	USOC
Interoffice Channel, each †	$1,488.36 (I)	OCH
Term and Quantity Pricing		
2 Year Plan		
1-4 circuits.....	729.30	OCNAX
5-8 circuits.....	721.84	OCNDX
9-16 circuits.....	707.00	OCNGX
3 Year Plan		
1-4 circuits.....	707.00	OCNBX
5-8 circuits.....	684.61	OCNEX
9-16 circuits.....	669.73	OCNHX
5 Year Plan		
1-4 circuits.....	669.73	OCNCX
5-8 circuits.....	647.47	OCNFX
9-16 circuits.....	632.56	OCNJX

† Subject to a two-month minimum service period.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.3 CIRCUIT COMPONENTS AND RATE TREATMENT (Cont'd)

The circuit components for a 1.544 Mbps, DS-1 are: (Cont'd)

C. Interoffice Channel – Interexchange

	Monthly Rate	USOC
1. Fixed Rate each†	$496.14 (I)	1LWPX
Term and Quantity Pricing		
2 Year Plan		
1-4 circuits.....	470.10 (I)	1EDAS
5-8 circuits.....	481.26 (I)	1EDDS
9-16 circuits.....	471.32 (I)	1EDGS
3 Year Plan		
1-4 circuits.....	471.32 (I)	1EDBS
5-8 circuits.....	456.42 (I)	1EDES
9-16 circuits.....	446.58 (I)	1EDHS
5 Year Plan		
1-4 circuits.....	446.58 (I)	1EDCS
5-8 circuits.....	431.70 (I)	1EDFS
9-16 circuits.....	421.70 (I)	1EDJS
2. Per V-H Mile†.....	186.03	1LWPX
Term and Quantity Pricing		
2 Year Plan		
1-4 circuits.....	176.74	1EDAS
5-8 circuits.....	171.21	1EDDS
9-16 circuits.....	167.41	1EDGS
3 Year Plan		
1-4 circuits.....	167.41	1EDBS
5-8 circuits.....	161.84	1EDES
9-16 circuits.....	158.17	1EDHS
5 Year Plan		
1-4 circuits.....	148.86	1EDCS
5-8 circuits.....	143.23	1EDFS
9-16 circuits.....	139.50	1EDJS

Mileage for an interexchange channel is determined by the V-H measurement method, as specified in Part A, Section 9.1.

† Subject to a two-month minimum service period.

Requires customer-provided Network Channel Terminating Equipment, per Local Distribution Channel.

HIGH CAPACITY DIGITAL SERVICE

6.1 1.544 MEGABITS PER SECOND (Mbps) DIGITAL SERVICE, DS-1 (Cont'd)
6.1.3 CIRCUIT COMPONENTS AND RATE TREATMENT(Cont'd)

D. Optional Components

	Installation Charge	Monthly Rate
1. Transfer Arrangementø - each†.....	NO	$ 39.00
2. Automatic Protection Capability†† -each†.....	NO	95.00
3. Clear Channel Capability (B8ZS)	$558.00##	-
4. Extended Super Frame.....	558.00##	-

E. Per Superpath 1.544 Mbps/ DS0-to-DS1 Upgrade — $189.00
Point-to-point transport (customer-designated location to customer-designated location) (C)

† Subject to a two-month minimum service period.
Ø Requires a control channel (Type 1011) between the customer's control station and the Company central office. Refer to 3. preceding for appropriate rates and charges.
†† Requires a spare Local Distribution Channel which is not a part of the -protective capability and is obtained separately at the rates and charges specified for a Local Distribution Channel.
Installation charges apply for additions to existing service only.